

PROJECTED DEFENSE PURCHASES: DETAIL BY INDUSTRY AND STATE

Calendar Years 2012 Through 2018



November 2013

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FOREWORD

Projected Defense Purchases: Detail by Industry and State is issued by the Office of the Secretary of Defense (OSD). The estimates presented in the report are produced by the Economic and Manpower Analysis Division of OSD's Office of Cost Assessment and Program Evaluation (CAPE).

This report provides projections of direct and indirect defense-related purchases from 360 industries (defined by North American Industry Classification System) for calendar years 2012 through 2018. This report also presents direct and indirect defense spending in each of the 50 states and the District of Columbia, and estimates the employment generated by defense spending. An introduction gives a brief overview of the definitions, budgetary concepts, and expenditure categories used in developing the estimates and offers some guidelines for interpreting them. The tabular material is divided into three sections:

Section I: Summary Tables – Industry Expenditures and Employment,
Individual States and Entire United States

Section II: Industry Projections

Section III: State Projections

Descriptions of table formats accompany the projections.

Additional copies of this report may be obtained on CAPE's public access web-site home page, <http://www.economics.osd.mil>.

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Calendar Years 2012 Through 2018**

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Reader's Note

Since the 1996 edition of *Projected Defense Purchases: Detail by Industry and State*, the Defense Employment and Purchases Projection System (*DEPPS*) has consisted of three defense-spending models:

- *IDEPPS*, a detailed interindustry model, which forecasts defense industry demands of 360 industries, and by major appropriation and procurement category for the top ten industries.
- *RDEPPS*, a state-level (regional) model, which determines the effect of defense expenditures by major procurement category on each state, at an aggregate level of 110 industries (unlike the more detailed *IDEPPS*).
- *LDEPPS*, a skilled labor model, which summarizes the requirements generated for various occupational classifications of employment in each industry. The occupational matrix used in *LDEPPS* comprises 101 occupational categories, chosen in a way that permits more detail to be provided on categories that are heavily employed either directly or indirectly by the Department of Defense.

Two input-output models feed *DEPPS*:

- *LIFT*, which stands for Long-term Interindustry Forecasting Tool, is a 97-sector input-output model embedded in a macroeconomic model. *LIFT* establishes the macroeconomic environment as well as industry controls.
- *ILIAD*, or the Interindustry Long-run Integrated and Dynamic model, uses the macroeconomic forecasts and the industry controls from *LIFT* to further divide the economy into 360 industries.

The Office of Cost Assessment and Program Evaluation and Interindustry Forecasting at the University of Maryland (Inforum) developed *DEPPS*. *LIFT* and *ILIAD* were developed by Inforum. *DEPPS*, *LIFT*, and *ILIAD* are maintained by Inforum.

The last and most critical element in developing the projections is the *Defense Translator*. The *Defense Translator* disaggregates the total defense budget by budget category into source industries.

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INTRODUCTION AND HIGHLIGHTS

This report provides estimates of industrial and regional patterns of defense expenditures for calendar years 2012 through 2018. It shows direct and indirect purchases of the 75 largest defense-related industries and provides projections of defense-related spending for each of the 50 states and the District of Columbia. Moreover, the report illustrates the occupational requirements of employment that is related directly and indirectly to defense expenditures.

All estimates are based on the FY 2014 President's budget submission in April 2013, and on the geographic distribution of the major components of defense spending in the recent past. This document is also available on the DEPPS website.¹ Supporting documentation, including a more complete description of the model and data used to generate the estimates, is posted to the website as well.

The figures reported here are *projections*. Purchases from particular industries will depend upon the size and composition of the defense budget eventually enacted. The location of purchases will be determined not only by the level of defense spending, but also by the location of industries and by competition among firms within industries, both for prime contracts and for subcontracts.² The projections therefore serve as reference points; they describe the future pattern of defense and defense-related expenditures, *assuming current spending plans and existing states' participation in the various components of defense activity*.

The computational framework for these projections is called the Defense Employment and Purchases Projection System (*DEPPS*). *DEPPS* consists of three defense-spending models:

- *IDEPPS*, a detailed interindustry model, which forecasts defense demands of 360 industries, by major appropriation and procurement category.
- *RDEPPS*, a state-level (regional) model, which determines the effect of defense expenditures by major procurement category on each state, at an aggregate level of 110 industries (unlike the more detailed *IDEPPS*).
- *LDEPPS*, a skilled labor model, which summarizes the requirements for various occupational classifications of employment in each industry generated by defense expenditures.

Two interindustry (or input-output) models support *DEPPS*. The first model, called the Long-term Interindustry Forecasting Tool (*LIFT*), is a 97-sector input-output model embedded in a macroeconomic model. *LIFT* establishes the macroeconomic environment as well as industry controls. The second input-output model is called Interindustry Long-run Integrated and Dynamic model (*ILIAD*). It uses the macroeconomic forecasts and the industry controls from *LIFT* to further divide the economy into 360 industries.³

¹ Available at <http://www.economics.osd.mil/>

² Data available at <http://www.usaspending.gov/>. We use the most recent three years average of prime contract award data.

³ The Office of Cost Assessment and Program Evaluation and Interindustry Forecasting at the University of Maryland (Inforum) developed *DEPPS*. *LIFT* and *ILIAD* were developed by Inforum. *DEPPS*, *LIFT*, and *ILIAD* are maintained by Inforum.

Definitions and Coverage

The estimates presented in this report consider both “direct” and “indirect” defense expenditures. Direct defense expenditures are those that the Department of Defense (DoD) itself makes. These include purchases of goods and services, as well as military and civilian pay.

Defense-related indirect expenditures, by contrast, represent purchases—generated throughout the economy—of items used to produce goods bought by DoD. That is, indirect (sometimes called intermediate) expenditures reflect the costs of materials, tools, and parts that prime contractors buy from suppliers in order to perform work for which DoD has contracted. Those sales, in turn, trigger subsequent rounds of transactions as subcontractors purchase goods and services from their major suppliers and those firms place orders with companies at lower tiers of the production chain. For example, a direct expenditure for aircraft stimulates indirect purchases for the electronic components, tires, aluminum, engineering and logistic services used to manufacture the aircraft. The term “indirect defense purchases” applies to this sequence of purchases—goods and services from subcontractors and lower-tier suppliers.

Direct and indirect expenditures are computed for 360 industries, though only the 75 most affected industries are reported in detail. A summary of all 360 industries sorted by industry number is presented in the appendix. All expenditure quantities are in constant (inflation-adjusted) 2014 dollars, by calendar year, for the 2012 through 2018 interval.

The employment estimates include DoD civilian employment as well as employment resulting from both direct and indirect DoD purchases of goods and services. Employment generated by induced purchases resulting from direct pay (i.e., by personal consumption expenditures) is *not* included in the estimates presented here.

Budget Concept Employed

The *DEPPS* projections are expressed in terms of outlays. Outlays represent disbursements of funds made during the course of a year. In contrast, budget authority is the amount of money that DoD is authorized to obligate in any given year. Budget authority differs from outlays in that contractual obligations (which must be within the limits set by budget authority) often call for payments to be spread over a period of years, as the work is completed. Budget authority for research, development, and procurement projects, in particular, tends to be disbursed over a period of several years. Therefore, during periods of budget growth, budget authority tends to exceed outlays in any given year.⁴

Coverage

The federal budget is divided into a number of sections called “functional categories,” each containing programs serving a common purpose. National security-related programs are grouped into Functional Category 050 (National Defense). This category includes the entire Defense Department’s military programs and the national security programs administered by other federal departments, such as the Department of Energy. It *excludes* nonmilitary programs managed by the Department of Defense (for example, highway bridge inspection projects conducted by the Army Corps of Engineers).

The *DEPPS* industry projections (IDEPPS) are based on a narrower budget grouping, Functional Category 051 (Department of Defense, Military). This subset of 050 funds *includes* all of the Defense Department’s military programs, but *excludes* the national security programs

⁴ One metaphor is that of a checking account: budget authority represents the amount of money placed in a given account. Outlays represent “checks” that draw on those funds, which may be written over a number of years.

administered by other agencies and DoD programs serving civil functions (principally public works projects of the U.S. Army Corps of Engineers).

The defense budget (defined here to include only those programs falling within Functional Category 051) is partitioned into five major accounts: military personnel; operations and maintenance (O&M); procurement; research, development, test, and evaluation (RDT&E); and military construction. The titles of these accounts are reasonably descriptive of the types of expenses they cover:

- The *Military Personnel* account includes the pay of active-duty service members and reservists, as well as some other personnel-related expenses such as permanent change-of-station (PCS) travel and purchases of military uniforms. Also included in this account is DoD's share of the government's annual payments into the Military Retirement Fund.
- The *Operations and Maintenance (O&M)* account funds the day-to-day operations of the defense establishment. Money from this account goes to purchase fuel and other consumable items and to pay all but a small share of DoD's civilian work force.
- The *Procurement* account funds purchases of weapon systems, equipment, and other military capital goods.
- The *Research Development Test & Evaluation (RDT&E)* account pays for the development and testing of new military systems and for other research activities and associated civilian pay.
- The *Military Construction* account funds construction of military facilities and of housing for military personnel and their dependents.

Defense purchases induced from direct pay

The state-level tables in Section III display the expenditures on goods and services by DoD's civilian employees, military members, and retirees. Estimates for these expenditures are included in the statewide tables because the concept has been of interest to planning agencies and others concerned with local economic development. Induced defense purchases resulting from direct pay are *not* included in the industry estimates reported in Section II.

Projection Highlights

IDEPPS: Defense Expenditures by Industry

The composition of projected defense purchases differs from the composition of non-defense purchases in the U.S. economy as Table 1 projects the differences between defense and nondefense final purchases in 2014. Manufacturing industries account for a much larger share of direct defense purchases than direct nondefense purchases. More than one third of defense purchases—37 percent—are from manufacturing industries, whereas one quarter of nondefense purchases—24 percent—are from the manufacturing industries. Conversely, services account for about 56 percent of defense final purchases but about 68 percent of nondefense final purchases.

Table 2 presents information on the composition of estimated defense and nondefense indirect purchases—the sales of materials, supplies, and services used as intermediate inputs in the production process. Manufacturing accounts for about 30 percent of projected defense indirect purchases and about 28 percent of nondefense indirect purchases. Services account for about 60 percent of spending in both defense and nondefense indirect purchases. The construction, agriculture and mining sector accounts for about 10 percent of defense indirect purchases and about 11 percent of nondefense indirect purchases.

Table 7 contains information on the 75 non-food industries that receive the largest share of defense expenditures (direct plus indirect). While some of these industries are defense-specific (e.g., shipbuilding, tanks and tank components, aircraft, and guided missiles), a significant share of defense purchases are made directly or indirectly to industries not typically associated with defense activities (e.g., employment services, printing, legal services, and insurance carriers).

LDEPPS: Defense-Related Employment

Defense-related civilian employment (including the civilian employees of the Department of Defense) represents about 2.21 percent of projected total U.S. civilian employment in 2014. The composition of defense-related civilian employment differs somewhat from that of nondefense employment. The differences reflect the higher manufacturing intensity of defense purchases, as well as specific employment patterns of the individual industries from which defense purchases are made.

Occupations primarily associated with manufacturing industries (e.g., installation, maintenance, repair, and production) account for 15 percent of defense-related employment compared to only 10 percent of nondefense-related employment (see Table 3). Engineers, scientists, and technicians account for 18 percent of defense-related employment, but only 14 percent of nondefense employment. At 34 percent compared to 26 percent, defense-related employment is also more concentrated in management and administrative jobs than nondefense-related employment. More detailed tabulations of defense-related employment (including a breakout of engineering and scientific personnel by specialty) are provided in Section I.

RDEPPS: Defense Expenditures by State

Table 4 presents estimates of direct, indirect, and total (direct plus indirect) per capita defense expenditures in 2014 for each of the fifty states and the District of Columbia grouped by the nine U.S. census divisions.

The geographic distribution of defense expenditures reflects the distribution of military personnel and DoD civilian employees, as well as the location of the industries that make defense goods.

The dispersion *within* regions is larger than the dispersion across them. For example:

- Seven of the nine regions contain one or more states in which total projected defense expenditures (direct and indirect) exceed the national average.
- Every region contains at least one state in which total projected defense expenditures are less than 75 percent of the national average.
- Intraregional variation (the difference between the lowest and highest state estimate within a region) is greater than the variation among regional averages (the difference between the lowest and highest regional estimate) in five of the nine regions.

The *RDEPPS* projections describe the pattern of defense and defense-related expenditures, assuming that the geographic distribution of the various components of defense activity remains stable relative to recent years.

Differences between Industry (IDEPPS) and Regional (RDEPPS) Totals

The *RDEPPS* projections exclude DoD's share of the government's annual payments into the Military Retirement Fund, but includes disbursements of military retirement pay from the Military Retirement Fund (Functional Category 602 in the *Budget of the United States Government*). The regional total also excludes direct pay to military, civilian, and retired personnel stationed or living outside the U.S. For instance, in 2014 retirement disbursements will be about \$35.1 billion more than accruals. Payments abroad will be about \$19.2 billion. Therefore, the *RDEPPS* direct expenditure will exceed the *IDEPPS* total by about \$15.9 billion.

Comparisons with Previous Estimates

The internal structure of *DEPPS* is revised occasionally. Most internal model changes, however, reflect revisions in data sets rather than changes in a model's fundamental architecture.

Changes in the overall defense budget also influence cross-year comparisons. Each year's projections are made using the defense portion of the President's budget submission to Congress. The defense budget is developed each year through an involved process and can change significantly from year to year. Consequently, the projections also change. Finally, variability in the projections, and assumptions about the behavior of the economy as a whole and of specific sectors within the economy, also affect *DEPPS* outcomes. Many basic economic assumptions have been revised over the past year, in part due to the changing conditions in the U.S. economy.

Therefore, there are many reasons why estimates shift from year to year. Structural changes in the *DEPPS* model greatly complicate comparisons with other years' projections. The other possible sources of change—*DEPPS* data revisions, the defense budget, and broader economic assumptions—do not preclude comparisons, but isolating the effects of any single factor is a challenge. Ultimately, while comparisons between estimates are possible, they should be made taking the underlying reasons for the changes into account.

Starting in the 2006 *Projected Defense Purchases: Detail by Industry and State* report, industries in the *DEPPS* model are categorized by the North American Industry Classification System (NAICS), replacing the Standard Industrial Classification (SIC) to reflect better the industry makeup of the modern economy.

Starting in the 2010 *Projected Defense Purchases: Detail by Industry and State* report, industries in *IDEPPS* are categorized in the 2002 North American Industry Classification System (NAICS), and industry relationships in *IDEPPS* and *RDEPPS* are based on data deriving from the 2002 Benchmark input-output table, produced by BEA. *IDEPPS* still has 360 industries as before, but the industries have changed slightly. Of particular interest to the analysis of defense spending is the combination of Small arms (NAICS 332994) and Other ordnance and accessories (332995), so that separate detail for these industries is no longer available. Another area where industry detail has been lost is Other industrial machinery, which in the previous *IDEPPS* was divided into 6 separate industries, including Woodworking machinery (333210), Paper industry machinery (333291) and Food product machinery (333294). In certain other areas industry detail was increased, such as the previous sector Measuring devices and controls, which has been split into 3 new industries. Increased detail is also available in areas of manufacturing such as fabricated metals, pumps and compressors, and metalworking machinery. However, in general, we have tried to preserve as closely as possible the industrial detail available in the previous version of *IDEPPS*.

Other changes stemming from the update to the 2002 benchmark input-output table are due to updated and better measurement of changes in the distribution of output among industries, and in the structure of purchases and sales between industries. Of particular note is industry 315, Management of companies and enterprises (NAICS 55), which was newly introduced with the 1997 NAICS. This industry includes the sales of auxiliary establishments within large multiestablishment companies. These establishments provide central headquarters management and coordination, payroll and employee benefit services, advertising, warehousing and transportation, and other services. This industry's role has grown significantly, particularly as indirect sales to other industries important in the overall composition of defense goods and services.

Table 1
Composition of Defense and Nondefense DIRECT Purchases for 2014

	Direct Defense Purchases	Direct Nondefense Purchases
Manufacturing	37.3%	23.9%
Services	56.3%	67.7%
Construction, Agriculture and Mining	6.4%	8.4%

Table 2
Composition of Defense and Nondefense INDIRECT Purchases for 2014

	Indirect Defense Purchases	Indirect Nondefense Purchases
Manufacturing	30.2%	28.4%
Services	60.3%	60.8%
Construction, Agriculture and Mining	9.6%	10.7%

Table 3
Composition of Civilian Employment
(this version was done with the 2010-2020 occupational matrix)

	Defense-Related Employment	Nondefense-Related Employment
Installation, Maintenance, Repair and Production	14.4%	10.0%
Agricultural, Extraction, Construction and Transport	13.5%	12.5%
Engineers, Scientists and Technicians	17.6%	13.5%
Service and Sales Occupations	14.9%	31.2%
Management and Administrative	33.6%	25.6%
Other professional specialties	6.0%	7.2%

Table 4
Estimated Defense Expenditures Per Capita, 2014
 (By State and Region, in 2014 dollars)

State/Region	Population (Thousands)	Direct			Indirect from	
		Pay	Purchases	Total	Direct Purchases	Total
New England	14,670	313	2,241	2,554	1,058	3,612
Connecticut	3,607	196	3,182	3,378	1,269	4,646
Maine	1,342	766	2,281	3,048	557	3,605
Massachusetts	6,686	219	2,245	2,464	1,192	3,656
New Hampshire	1,345	316	1,389	1,704	769	2,474
Rhode Island	1,056	741	878	1,619	836	2,455
Vermont	634	299	831	1,130	495	1,625
Mid-Atlantic	41,390	259	798	1,057	850	1,907
New Jersey	8,933	306	1,062	1,368	1,030	2,398
New York	19,641	202	625	828	772	1,599
Pennsylvania	12,816	313	879	1,192	844	2,036
South Atlantic	62,577	1,101	1,558	2,660	987	3,646
Delaware	932	671	550	1,221	1,135	2,356
District of Columbia	631	5,778	7,535	13,313	4,450	17,763
Florida	19,800	579	793	1,372	578	1,950
Georgia	10,152	1,086	872	1,958	894	2,852
Maryland	6,004	1,219	2,273	3,493	1,310	4,803
North Carolina	9,980	972	547	1,519	712	2,231
South Carolina	4,818	795	978	1,773	776	2,549
Virginia	8,405	2,478	5,150	7,628	2,097	9,725
West Virginia	1,858	259	317	576	556	1,132
East North Central	46,831	247	628	874	842	1,716
Illinois	12,976	244	692	937	873	1,809
Indiana	6,592	261	601	863	940	1,803
Michigan	9,907	172	421	593	649	1,242
Ohio	11,567	359	685	1,044	907	1,951
Wisconsin	5,791	139	752	891	861	1,751
West North Central	20,983	462	1,015	1,477	802	2,279
Iowa	3,091	160	660	820	740	1,560
Kansas	2,918	1,074	728	1,803	779	2,582
Minnesota	5,466	139	547	686	833	1,519
Missouri	6,087	455	1,900	2,355	888	3,242
Nebraska	1,872	695	774	1,469	739	2,208
North Dakota	704	1,027	542	1,569	617	2,186
South Dakota	844	610	874	1,484	598	2,082

Table 4 (continued)
Estimated Defense Expenditures Per Capita, 2014
 (By State and Region, in 2014 dollars)

State/Region	Population (Thousands)	Direct			Indirect from	
		Pay	Purchases	Total	Direct Purchases	Total
East South Central	18,899	731	1,480	2,211	902	3,114
Alabama	4,885	1,014	2,089	3,103	1,343	4,446
Kentucky	4,418	1,045	1,760	2,805	936	3,741
Mississippi	3,020	704	1,639	2,343	593	2,936
Tennessee	6,576	322	767	1,089	695	1,784
West South Central	38,323	708	951	1,659	995	2,654
Arkansas	2,992	482	621	1,103	650	1,753
Louisiana	4,660	533	769	1,302	1,320	2,622
Oklahoma	3,857	1,109	628	1,738	751	2,489
Texas	26,815	706	1,065	1,772	1,012	2,784
Mountain	23,268	720	1,252	1,971	789	2,761
Arizona	6,753	554	1,876	2,430	772	3,202
Colorado	5,327	983	1,558	2,541	985	3,526
Idaho	1,645	479	308	787	441	1,228
Montana	1,025	566	610	1,176	553	1,729
Nevada	2,844	602	805	1,407	650	2,057
New Mexico	2,140	949	828	1,777	838	2,614
Utah	2,949	748	891	1,640	762	2,402
Wyoming	585	770	563	1,333	1,235	2,568
Pacific	51,859	665	1,122	1,787	860	2,648
Alaska	744	3,646	2,170	5,815	2,359	8,174
California	38,671	427	1,170	1,597	858	2,455
Hawaii	1,415	4,369	1,854	6,222	1,089	7,311
Oregon	3,970	242	463	706	705	1,411
Washington	7,059	1,153	974	2,127	758	2,885
United States	318,800	620	1,147	1,768	908	2,676

Source: RDEPPS Calculations

Table 5
Sources of Projected Direct Defense Purchases
Department of Defense
Rounded to Millions of 2014 dollars

	2012	2013	2014	2015	2016	2017	2018
Military Personnel	159,222	159,307	145,094	143,234	143,526	143,858	143,557
Operations & Maintenance	287,861	258,908	219,778	221,684	213,394	209,851	206,558
Aircraft	37,986	34,209	30,910	32,224	30,393	30,615	30,429
Missiles	9,594	9,137	9,543	9,491	9,916	11,179	11,466
Weapons & Tracked Vehicles	9,352	4,126	2,834	2,535	2,214	2,541	2,650
Ships & Conversions	21,507	25,401	18,463	18,638	21,228	18,921	18,687
Ammunition	4,848	4,577	4,349	4,321	3,892	3,890	3,815
Other	44,215	37,208	34,165	34,025	34,347	36,348	37,410
Total Procurement	127,502	114,658	100,265	101,234	101,990	103,492	104,458
Research, Development, Test, Evaluation	72,412	69,615	66,097	66,618	66,879	63,784	61,115
Military Construction	15,233	14,617	12,109	11,768	10,673	9,317	8,422
Family Housing	2,366	2,321	1,779	1,500	1,420	1,418	1,419
Defense-Wide Contingencies	39	0	0	0	0	0	0
Revolving & Management Funds	4,893	4,542	3,681	2,579	1,113	1,015	939
Trust & Receipts	-547	-1,005	-1,134	-1,002	-1,068	-1,133	-1,103
Deductions, Intragovernment Receipts	-110	-119	-115	-108	-102	-96	-91
Total Direct Defense Purchases	668,871	622,844	547,554	547,507	537,826	531,507	525,275

Source: IDEPPS calculations

Note: Numbers may not add due to rounding.

Table 6
Sources of Projected Indirect Defense Purchases
Department of Defense
Rounded to Millions of 2014 dollars

	2012	2013	2014	2015	2016	2017	2018
Military Personnel	31,314	35,187	31,124	30,154	30,296	30,376	30,103
Operations & Maintenance *	205,090	170,283	135,933	135,259	127,108	124,949	123,238
Aircraft	36,906	33,270	29,984	31,126	29,255	29,323	29,175
Missiles	9,435	9,002	9,402	9,337	9,741	10,958	11,197
Weapons & Tracked Vehicles	12,124	5,319	3,571	3,172	2,743	3,115	3,234
Ships & Conversions	22,217	26,288	18,306	18,634	21,340	18,832	18,378
Ammunition	4,227	4,003	3,836	3,809	3,427	3,408	3,331
Other	45,392	38,219	35,008	34,816	35,118	37,137	38,206
Total Procurement	130,301	116,101	100,106	100,893	101,624	102,774	103,521
RDT&E	57,030	54,533	49,916	49,417	49,727	47,183	44,979
Military Construction	13,007	12,495	10,060	9,732	8,752	7,544	6,742
Family Housing	1,615	1,599	1,239	1,049	993	990	989
Total Indirect Defense Purchases	438,357	390,197	328,379	326,504	318,500	313,816	309,573

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Source: IDEPPS calculations

Note: Numbers may not add due to rounding.

SECTION I: SUMMARY TABLES – Industry Expenditures and Employment, Individual States and Entire United States

The summary tables provide an overview of estimated defense expenditures and employment. Table 7 presents estimates of total defense purchases from the 75 leading industries in defense production for 2012 through 2018. The estimates shown include both direct and indirect purchases.

Table 8 shows projected defense employment and defense-related employment during 2012–2018, including military personnel, DoD civilians, private-sector employees associated with direct DoD spending, and private sector employees indirectly associated with the DoD. Table 9 presents estimates of defense-related employment by major occupational category while Table 10 provides more detailed estimates of defense-related employment within three occupations: (1) computer and mathematical science occupations; (2) architectural and engineering occupations; and (3) life, physical, and social science occupations.

The remaining five tables present state-level information:

- Tables 11 through 13 present estimates of direct defense expenditures, first in the aggregate and then by selected budget accounts. Table 11 shows outlays (for purchases and pay) projected to be made in each state during each year of the forecast period (the estimates assume state shares of the underlying components of pay and purchases remain at recent levels). Table 12 shows combined outlays from the Procurement and RDT&E accounts, while Table 13 displays combined outlays resulting from the remaining accounts.
- Table 14 shows indirect expenditures arising from purchases made by the DoD. As explained in the introduction, indirect (or intermediate) purchases are those that are made across the supply chain for final goods. For example, expenditures on aircraft stimulate indirect purchases of electronic components, aircraft parts, tires, aluminum, etc.
- Table 15 shows the induced expenditures derived from the wages and salaries of DoD personnel and from military retirement pay. More specifically, induced expenditures are the household purchases from defense personnel that occur in each state. Obviously, states with large and numerous military installations tend to have large induced expenditures. Less obviously, states that produce consumer goods sold in a national market (such as automobiles and appliances) will also have significant induced expenditures.

Table 7
Projected (Direct + Indirect) Defense Purchases from 75 Industries Leading in Defense Production in 2014

(Millions of 2014 dollars)

Ind #	Supplying Industry	2012	2013	2014	2015	2016	2017	2018
310	Scientific research and development services	46,960	43,906	39,612	39,088	39,056	38,046	36,906
303	Architectural, engineering, and related services	48,876	43,801	38,525	38,212	37,265	36,647	36,493
94	Petroleum refineries	36,902	32,738	27,013	26,166	24,928	24,640	24,335
235	Aircraft	29,439	26,553	23,852	24,901	24,305	24,550	24,211
16	Crude oil extraction	30,215	26,755	22,097	21,451	20,459	20,214	19,966
315	Management of companies and enterprises	27,609	24,511	20,964	20,883	20,409	20,229	20,054
285	Telecommunications	24,713	20,675	17,256	17,269	16,712	16,503	16,336
294	Real estate	22,878	20,233	16,987	16,754	16,270	16,046	15,821
270	Truck transportation	22,010	19,552	15,974	15,543	15,009	14,849	14,672
328	Offices of physicians, dentists, and other health practitioners	18,960	17,998	15,648	15,867	15,550	15,394	15,101
241	Ship building and repairing	19,930	22,998	15,165	15,811	18,214	16,139	15,590
267	Air transportation	18,899	17,341	14,855	14,787	14,439	14,332	14,163
265	Wholesale trade	19,499	17,323	14,568	14,520	14,171	13,972	13,772
35	Maintenance and repair of nonresidential buildings, infrastructure and other	21,109	17,411	13,722	13,709	12,973	12,679	12,479
203	Search, detection, and navigation instruments	15,650	13,736	12,533	12,618	12,607	12,870	12,813
308	Management, scientific, and technical consulting services	16,839	14,417	11,624	11,549	11,138	10,892	10,695
238	Guided missiles and space vehicles	12,560	11,559	11,547	11,474	11,623	12,406	12,761
32	New non-residential building construction	14,720	13,101	10,760	10,585	9,881	9,199	8,733
237	Other aircraft parts and auxiliary equipment	12,380	10,916	9,472	9,571	8,805	8,365	8,287
312	All other miscellaneous professional, scientific, and technical services	12,500	10,861	9,042	8,936	8,665	8,443	8,246
307	Other computer related services, including facilities management	11,170	10,004	8,522	8,586	8,338	8,270	8,201
28	Electric power generation, transmission, and distribution	11,717	10,008	8,335	8,285	8,010	7,888	7,800
311	Advertising and related services	10,811	9,452	7,941	7,953	7,725	7,662	7,567
291	Insurance carriers	9,655	9,209	7,912	7,778	7,645	7,589	7,509
340	Food services and drinking places	10,447	9,260	7,768	7,724	7,511	7,410	7,326
236	Aircraft engines and engine parts	9,731	8,781	7,723	7,964	7,583	7,426	7,299
197	Broadcast and wireless communications equipment	9,172	8,019	7,318	7,340	7,289	7,324	7,274
288	Monetary authorities and depository credit intermediation	9,491	8,487	7,193	7,183	7,025	6,918	6,815
273	Scenic and sightseeing transportation and support activities for transportation	9,080	8,048	6,858	6,916	6,679	6,620	6,553
322	Employment services	9,020	8,021	6,801	6,767	6,607	6,529	6,458
269	Water transportation	8,637	7,892	6,554	6,450	6,261	6,222	6,159
290	Securities, commodity contracts, investments, and related activities	8,370	7,603	6,353	6,321	6,220	6,100	6,016
339	Hotels and other accommodations	7,710	6,873	5,786	5,720	5,567	5,512	5,459
135	Primary ferrous metal products	8,139	7,148	5,703	5,698	5,583	5,394	5,291
201	All other electronic components	6,391	5,787	5,254	5,225	5,169	5,097	5,006
301	Legal services	6,770	6,065	5,159	5,142	5,034	4,962	4,894
306	Computer systems design services	6,756	5,743	4,856	4,901	4,790	4,797	4,750
280	Software publishers	6,585	5,566	4,647	4,674	4,546	4,593	4,652

Source: IDEPPS calculations

Table 7 (Continued)
Projected (Direct + Indirect) Defense Purchases from 75 Industries Leading in Defense Production in 2014

(Millions of 2014 dollars)

Ind #	Supplying Industry	2012	2013	2014	2015	2016	2017	2018
275	Warehousing and storage	6,380	5,665	4,634	4,513	4,360	4,317	4,269
305	Custom computer programming services	5,946	5,074	4,280	4,278	4,159	4,182	4,124
300	Lessors of nonfinancial intangible assets	5,485	5,006	4,179	4,168	4,137	4,063	4,021
320	Services to buildings and dwellings	5,523	4,784	3,980	3,972	3,859	3,786	3,725
342	Electronic and precision equipment repair and maintenance	5,064	4,595	3,876	4,007	3,864	3,886	3,901
317	Facilities support services	6,531	5,109	3,855	3,832	3,567	3,472	3,407
296	Automotive equipment rental and leasing	5,100	4,550	3,834	3,794	3,696	3,649	3,610
351	Postal service	5,215	4,465	3,750	3,722	3,603	3,562	3,531
324	Waste management and remediation services	5,974	4,666	3,418	3,365	3,107	3,011	2,940
302	Accounting, tax preparation, bookkeeping, and payroll services	4,485	3,985	3,347	3,337	3,254	3,201	3,158
152	Ammunition	3,743	3,493	3,202	3,159	2,871	2,880	2,871
92	Printing	4,188	3,572	3,123	3,061	2,996	2,991	2,984
239	Propulsion units and parts for space vehicles and guided missiles	3,546	3,279	3,081	3,054	3,106	3,279	3,347
266	Retail trade	3,913	3,598	3,065	3,073	2,980	2,944	2,888
75	Apparel accessories and other apparel	3,382	3,577	3,060	2,911	2,865	2,861	2,841
200	Semiconductors and electron tubes	3,769	3,316	2,926	2,929	2,885	2,883	2,862
268	Rail transportation	3,759	3,323	2,724	2,663	2,574	2,541	2,508
274	Couriers and messengers	3,641	3,247	2,708	2,679	2,598	2,568	2,536
286	Data processing, hosting and internet service providers	3,627	3,226	2,697	2,692	2,641	2,591	2,553
234	Motor vehicle parts	4,355	3,374	2,674	2,593	2,508	2,541	2,526
321	Other support services	3,598	3,146	2,643	2,648	2,576	2,548	2,521
292	Insurance agencies, brokerages, and related activities	3,115	2,943	2,515	2,469	2,420	2,393	2,360
309	Environmental and other technical consulting services	3,589	3,033	2,464	2,463	2,371	2,320	2,283
29	Natural gas distribution	3,353	2,915	2,432	2,407	2,326	2,292	2,264
299	Commercial and industrial machinery and equipment rental and leasing	3,236	2,882	2,410	2,409	2,331	2,297	2,263
318	Business support services	3,191	2,847	2,408	2,399	2,357	2,328	2,306
119	Other plastics products	3,197	2,839	2,377	2,384	2,313	2,263	2,228
304	Specialized design services	3,025	2,731	2,375	2,370	2,341	2,335	2,330
326	Junior colleges, colleges, universities, and professional schools	3,281	2,891	2,368	2,352	2,279	2,184	2,099
242	Boat building	3,016	2,640	2,351	2,365	2,394	2,560	2,566
74	Cut and sew apparel	2,533	2,686	2,326	2,229	2,182	2,181	2,166
102	Plastics materials and resins	3,131	2,789	2,307	2,291	2,222	2,177	2,135
289	Nondepository credit intermediation and related activities	2,978	2,665	2,230	2,214	2,165	2,129	2,100
343	Commercial and industrial machinery and equipment repair and maintenance	2,855	2,534	2,136	2,127	2,071	2,027	1,990
316	Office administrative services	2,840	2,472	2,049	2,043	1,982	1,948	1,922
147	Plate work and fabricated structural products	2,740	2,472	2,008	1,997	1,929	1,854	1,811
107	Pharmaceuticals and medicines	2,519	2,280	1,898	1,805	1,598	1,558	1,519

Source: IDEPPS calculations

Table 8
Projected Defense and Defense-Related Employment
(Thousands of Workers)

Employment Category	2012	2013	2014	2015	2016	2017	2018
DoD Active Duty Military Personnel	1,476	1,479	1,402	1,399	1,396	1,396	1,397
DoD Direct Civilian Hires	775	773	770	768	766	763	761
Direct Private Sector Employment	2,949	2,630	2,301	2,270	2,200	2,152	2,106
Indirect Private Sector Employment	811	586	356	333	292	262	234
Total Defense-Related Employment	4,534	3,989	3,427	3,372	3,258	3,177	3,101
Total Defense-Related Employment Plus Military	6,010	5,468	4,829	4,771	4,654	4,573	4,498

Source: FY2014 DEPPS and FY2014 Green Book

Notes:

Defense-related employment includes jobs associated with spending on Overseas Contingency Operations (OCO) in 2012 and 2013

DoD Active Duty Military personnel include Active Duty Army, Navy, Air Force, and Marines as well as full-time Guard and Reservists

DoD Direct Civilian Hires exclude foreign national direct hires

Direct Private Sector Employment is an estimate of private sector jobs created by direct defense expenditures

Indirect Private Sector Employment is an estimate of private sector jobs created by indirect defense expenditures

Table 9
Projected Defense and Defense-Related Employment by Occupational Category
(Thousands of Workers)
Fiscal Year 2014 LDEPPS, with 2010-2020 Occupational Projections matrices

Occupational Category	2012	2013	2014	2015	2016	2017	2018
Management, financial, and business operations	718	651	583	575	561	550	540
Computer and mathematical science occupations	183	158	133	132	127	124	121
Architectural and engineering occupations	304	274	244	241	235	230	225
Life, physical and social science occupations	86	78	71	69	68	66	65
Healthcare practioners and technical occupations	191	175	154	153	149	146	142
Other professional specialties	272	237	206	202	195	190	186
Service occupations	488	419	353	348	336	329	323
Sales and related occupations	221	191	159	156	149	144	140
Office and adminstrative support occupations	765	670	570	559	538	524	511
Farming, fishing, and forestry occupations	12	11	9	9	8	8	7
Construction and extraction occupations	238	200	165	163	154	146	141
Installation, maintenance, and repair occupations	227	204	179	178	173	169	166
Production occupations	435	377	313	304	291	282	272
Transportation and material moving occupations	393	345	289	283	273	267	262
Total All Categories	4,534	3,989	3,427	3,372	3,258	3,177	3,101

Source: LDEPPS calculations

Note: Numbers may not add to totals due to rounding

Table 10
Defense Related Employment of Engineers and Scientists
(Thousands of Workers)

	2012	2013	2014	2015	2016	2017	2018
Computer and mathematical science occupations							
Computer specialists	173.0	148.5	124.8	123.3	118.9	115.9	112.7
Mathematical science occupations	10.1	9.4	8.7	8.6	8.4	8.3	8.2
Total	183.1	157.8	133.5	131.8	127.3	124.2	120.9
Architectural and engineering occupations							
Architects, surveyors, and cartographers	22.8	19.8	17.2	16.8	16.2	15.7	15.2
Aerospace engineers	19.6	18.0	15.5	15.6	15.4	15.0	14.7
Chemical engineers	1.7	1.4	1.2	1.2	1.1	1.1	1.0
Civil engineers	28.1	25.4	22.9	22.6	22.0	21.5	21.1
Electrical and electronics engineers	44.4	40.5	37.0	36.5	35.8	35.1	34.4
Industrial engineers, incl health and safety	19.4	17.0	14.0	13.9	13.5	13.1	12.7
Mechanical engineers	32.8	29.7	26.5	26.3	25.7	25.2	24.7
Materials engineers	3.5	3.2	2.8	2.8	2.7	2.6	2.6
All other engineers	51.1	46.9	43.0	42.6	41.8	41.1	40.4
Drafters, engineering, and mapping technicians	80.7	72.0	63.6	62.7	61.1	59.5	58.1
Total	304.1	274.1	243.7	240.9	235.4	229.8	224.9
Life, physical and social science occupations							
Life scientists	17.4	15.8	14.2	14.0	13.6	13.3	13.0
Chemists and materials scientists	6.5	5.7	5.1	5.0	4.8	4.7	4.6
Environmental scientists and geoscientists	8.5	7.4	6.4	6.2	6.0	5.8	5.6
Astronomers, physicists, atmospheric & space scientists	3.7	3.5	3.2	3.2	3.2	3.1	3.1
All other physical scientists	4.0	3.8	3.6	3.5	3.5	3.4	3.4
Social scientists and related occupations	27.2	25.4	23.7	23.5	23.1	22.7	22.4
Life, physical, and social science technicians	18.4	16.3	14.4	14.1	13.7	13.3	13.0
Total	85.6	77.7	70.6	69.4	67.9	66.4	65.1
Total Computer, Engineers, and Scientists	572.8	509.7	447.7	442.1	430.6	420.4	410.9

Source: LDEPPS calculations

Note: Numbers may not add to totals due to rounding

Table 11
Projections of Total Direct Expenditures by State
(Millions of 2014 dollars)

State	2012	2013	2014	2015	2016	2017	2018
Alabama	18,082	17,261	15,158	15,191	15,115	14,718	14,422
Alaska	5,243	4,905	4,327	4,320	4,238	4,201	4,162
Arizona	19,739	18,224	16,410	16,492	16,176	16,146	16,009
Arkansas	3,867	3,674	3,299	3,294	3,222	3,198	3,160
California	73,783	69,249	61,750	61,913	61,140	60,272	59,368
Colorado	16,437	15,073	13,538	13,550	13,297	13,180	13,052
Connecticut	14,970	14,729	12,181	12,348	12,655	12,252	12,061
Delaware	1,316	1,265	1,138	1,131	1,113	1,106	1,096
District of Columbia	10,218	9,555	8,398	8,455	8,235	8,123	8,015
Florida	32,680	30,331	27,167	27,251	26,761	26,675	26,464
Georgia	23,010	21,881	19,877	19,926	19,577	19,513	19,364
Hawaii	10,075	9,767	8,803	8,828	8,732	8,641	8,553
Idaho	1,489	1,426	1,295	1,290	1,273	1,265	1,254
Illinois	15,225	13,851	12,153	12,056	11,725	11,612	11,468
Indiana	7,332	6,474	5,685	5,660	5,519	5,532	5,493
Iowa	3,170	2,871	2,534	2,514	2,456	2,450	2,428
Kansas	6,124	5,817	5,261	5,264	5,175	5,159	5,121
Kentucky	15,146	14,162	12,395	12,402	12,152	12,072	11,943
Louisiana	7,695	7,047	6,067	6,022	5,862	5,757	5,664
Maine	4,878	5,210	4,090	4,187	4,451	4,199	4,105
Maryland	25,129	23,611	20,968	21,071	20,705	20,381	20,080
Massachusetts	20,033	18,215	16,474	16,425	16,171	16,029	15,836
Michigan	7,878	6,739	5,875	5,786	5,570	5,600	5,604
Minnesota	4,674	4,294	3,751	3,716	3,599	3,564	3,522
Mississippi	8,761	8,884	7,076	7,203	7,506	7,162	7,035
Missouri	17,188	15,883	14,333	14,371	14,049	14,068	13,967
Montana	1,449	1,334	1,206	1,210	1,192	1,205	1,226
Nebraska	3,283	3,093	2,751	2,747	2,696	2,677	2,648
Nevada	4,911	4,507	4,002	4,007	3,924	3,911	3,886
New Hampshire	2,879	2,582	2,292	2,292	2,247	2,249	2,230
New Jersey	14,868	13,695	12,223	12,148	11,863	11,781	11,681
New Mexico	4,374	4,168	3,802	3,806	3,751	3,703	3,651
New York	20,076	18,483	16,254	16,221	15,959	15,775	15,556
North Carolina	17,749	16,868	15,160	15,095	14,857	14,772	14,651
North Dakota	1,293	1,233	1,104	1,100	1,082	1,072	1,061
Ohio	14,164	13,400	12,075	12,044	11,778	11,633	11,459
Oklahoma	7,440	7,260	6,702	6,754	6,640	6,589	6,520
Oregon	3,557	3,220	2,801	2,782	2,730	2,704	2,675
Pennsylvania	19,000	17,383	15,274	15,298	14,885	14,723	14,549
Rhode Island	1,963	1,876	1,710	1,726	1,688	1,674	1,652
South Carolina	10,399	9,657	8,542	8,576	8,408	8,369	8,306
South Dakota	1,473	1,402	1,252	1,252	1,227	1,219	1,205
Tennessee	8,725	8,085	7,161	7,109	6,930	6,854	6,768
Texas	56,272	52,545	47,505	47,701	46,918	46,801	46,406
Utah	5,357	5,197	4,837	4,837	4,747	4,703	4,656
Vermont	863	800	717	711	688	686	681
Virginia	78,119	73,346	64,109	64,455	63,602	62,771	62,052
Washington	16,949	16,425	15,015	15,137	14,974	14,892	14,751
West Virginia	1,267	1,189	1,070	1,069	1,046	1,035	1,023
Wisconsin	8,520	6,406	5,157	4,966	4,742	4,865	4,893
Wyoming	927	873	779	776	763	758	751
U.S. Total	680,022	635,425	563,505	564,484	555,816	550,295	544,182

Source: RDEPPS Calculations

Table 12
Projections of Total Direct Procurement & RDT&E Expenditures, by State
(Millions of 2014 dollars)

State	2012	2013	2014	2015	2016	2017	2018
Alabama	7,023	6,884	6,029	6,015	6,186	5,893	5,709
Alaska	188	172	171	178	177	176	175
Arizona	7,418	6,758	6,341	6,377	6,294	6,349	6,327
Arkansas	343	310	290	291	276	278	276
California	29,981	28,317	25,781	25,951	26,089	25,597	25,112
Colorado	4,415	4,120	3,894	3,884	3,864	3,830	3,774
Connecticut	11,311	11,354	9,290	9,491	9,906	9,541	9,389
Delaware	62	58	56	58	57	56	54
District of Columbia	1,689	1,602	1,526	1,550	1,541	1,515	1,492
Florida	6,874	6,179	5,736	5,810	5,761	5,818	5,803
Georgia	3,849	3,521	3,389	3,478	3,413	3,476	3,483
Hawaii	557	569	524	561	583	555	542
Idaho	64	58	56	58	57	56	55
Illinois	3,547	2,879	2,620	2,602	2,562	2,584	2,575
Indiana	2,415	1,862	1,653	1,644	1,625	1,688	1,700
Iowa	1,117	984	914	913	907	918	916
Kansas	964	879	831	855	833	847	846
Kentucky	560	498	479	483	475	486	493
Louisiana	976	734	597	592	599	616	624
Maine	2,901	3,211	2,256	2,345	2,638	2,405	2,337
Maryland	7,238	6,852	6,317	6,352	6,422	6,298	6,196
Massachusetts	13,181	12,046	11,250	11,223	11,170	11,097	10,970
Michigan	2,230	1,405	1,214	1,178	1,121	1,209	1,275
Minnesota	972	886	816	809	788	787	782
Mississippi	4,248	4,613	3,277	3,401	3,791	3,485	3,401
Missouri	7,822	7,125	6,706	6,764	6,646	6,745	6,738
Montana	376	315	294	302	301	324	355
Nebraska	276	251	239	240	240	241	238
Nevada	578	526	497	506	496	505	506
New Hampshire	1,246	1,119	1,042	1,049	1,054	1,067	1,059
New Jersey	4,693	4,299	4,155	4,112	4,124	4,160	4,175
New Mexico	890	836	800	799	799	779	761
New York	7,042	6,410	5,816	5,882	5,915	5,849	5,746
North Carolina	788	704	681	696	691	690	682
North Dakota	41	37	38	39	39	39	38
Ohio	3,642	3,342	3,169	3,176	3,168	3,134	3,082
Oklahoma	838	777	785	827	812	822	821
Oregon	571	484	399	401	414	409	405
Pennsylvania	6,248	5,509	4,998	5,059	5,015	4,998	4,971
Rhode Island	424	386	377	389	386	390	388
South Carolina	1,016	812	711	715	710	715	718
South Dakota	96	86	81	83	81	82	82
Tennessee	1,223	1,133	1,051	1,041	1,032	1,008	988
Texas	19,073	17,274	16,054	16,334	16,104	16,227	16,125
Utah	1,572	1,437	1,422	1,421	1,418	1,438	1,451
Vermont	325	292	272	272	261	264	263
Virginia	18,820	18,082	16,087	16,264	16,720	16,362	16,172
Washington	4,429	4,174	3,823	3,947	3,924	3,918	3,883
West Virginia	174	158	150	151	149	148	146
Wisconsin	3,539	1,911	1,362	1,242	1,192	1,361	1,437
Wyoming	48	43	41	42	41	41	41
U.S. Total	199,914	184,273	166,361	167,853	168,869	167,277	165,573

Source: RDEPPS Calculations

Table 13
Projections of Total Direct Expenditures, Excluding Procurement and RDT&E, by State
(Millions of 2014 dollars)

State	2012	2013	2014	2015	2016	2017	2018
Alabama	11,060	10,377	9,129	9,175	8,930	8,825	8,713
Alaska	5,055	4,733	4,156	4,142	4,062	4,025	3,988
Arizona	12,321	11,466	10,069	10,115	9,882	9,797	9,682
Arkansas	3,523	3,364	3,009	3,003	2,946	2,920	2,885
California	43,802	40,932	35,969	35,962	35,051	34,675	34,257
Colorado	12,022	10,953	9,644	9,667	9,433	9,350	9,278
Connecticut	3,659	3,375	2,891	2,857	2,749	2,711	2,672
Delaware	1,254	1,208	1,082	1,074	1,056	1,050	1,041
District of Columbia	8,529	7,953	6,872	6,905	6,694	6,608	6,523
Florida	25,806	24,151	21,430	21,441	21,000	20,857	20,661
Georgia	19,161	18,360	16,487	16,447	16,164	16,037	15,881
Hawaii	9,518	9,198	8,279	8,267	8,150	8,085	8,011
Idaho	1,425	1,368	1,239	1,232	1,216	1,209	1,199
Illinois	11,678	10,973	9,533	9,454	9,162	9,028	8,894
Indiana	4,917	4,613	4,032	4,016	3,894	3,844	3,793
Iowa	2,053	1,887	1,620	1,600	1,550	1,531	1,512
Kansas	5,160	4,939	4,430	4,409	4,343	4,312	4,275
Kentucky	14,586	13,664	11,916	11,919	11,678	11,586	11,450
Louisiana	6,720	6,313	5,470	5,430	5,263	5,141	5,040
Maine	1,977	1,998	1,835	1,842	1,813	1,794	1,768
Maryland	17,891	16,760	14,651	14,719	14,283	14,083	13,885
Massachusetts	6,852	6,169	5,224	5,202	5,001	4,932	4,866
Michigan	5,648	5,333	4,661	4,608	4,449	4,390	4,330
Minnesota	3,701	3,407	2,936	2,907	2,811	2,777	2,740
Mississippi	4,514	4,271	3,799	3,802	3,715	3,677	3,634
Missouri	9,367	8,758	7,627	7,607	7,402	7,324	7,229
Montana	1,073	1,019	913	908	891	881	871
Nebraska	3,007	2,842	2,512	2,506	2,456	2,436	2,410
Nevada	4,333	3,981	3,505	3,501	3,428	3,406	3,380
New Hampshire	1,634	1,463	1,250	1,242	1,194	1,182	1,170
New Jersey	10,175	9,397	8,068	8,036	7,739	7,620	7,506
New Mexico	3,483	3,332	3,002	3,007	2,952	2,923	2,891
New York	13,034	12,073	10,438	10,339	10,044	9,926	9,810
North Carolina	16,961	16,164	14,479	14,399	14,165	14,082	13,969
North Dakota	1,252	1,196	1,066	1,060	1,043	1,034	1,023
Ohio	10,522	10,059	8,907	8,868	8,610	8,499	8,377
Oklahoma	6,602	6,483	5,917	5,927	5,828	5,767	5,698
Oregon	2,986	2,736	2,402	2,381	2,316	2,295	2,270
Pennsylvania	12,752	11,874	10,275	10,239	9,870	9,725	9,578
Rhode Island	1,539	1,490	1,332	1,338	1,302	1,284	1,264
South Carolina	9,383	8,845	7,831	7,861	7,698	7,654	7,589
South Dakota	1,377	1,317	1,171	1,169	1,146	1,137	1,123
Tennessee	7,502	6,952	6,110	6,068	5,898	5,846	5,780
Texas	37,199	35,271	31,451	31,367	30,815	30,574	30,281
Utah	3,785	3,760	3,415	3,415	3,329	3,265	3,205
Vermont	539	508	445	439	427	423	418
Virginia	59,298	55,265	48,021	48,192	46,882	46,409	45,880
Washington	12,520	12,252	11,192	11,190	11,050	10,974	10,868
West Virginia	1,092	1,031	920	918	897	888	877
Wisconsin	4,982	4,496	3,795	3,724	3,550	3,504	3,456
Wyoming	879	830	738	734	722	717	710
U.S. Total	480,107	451,152	397,144	396,631	386,946	383,018	378,610

Source: RDEPPS Calculations

Table 14
Projections of Indirect Defense Purchases Resulting from Direct Purchases, by State
(Millions of 2014 dollars)

State	2012	2013	2014	2015	2016	2017	2018
Alabama	8,489	7,674	6,559	6,499	6,380	6,237	6,108
Alaska	2,334	2,102	1,755	1,749	1,714	1,693	1,679
Arizona	6,804	6,087	5,214	5,191	5,086	5,025	4,966
Arkansas	2,618	2,326	1,945	1,935	1,882	1,848	1,817
California	43,720	39,113	33,175	33,010	32,264	31,730	31,234
Colorado	6,846	6,157	5,246	5,219	5,122	5,040	4,968
Connecticut	5,926	5,346	4,576	4,544	4,454	4,389	4,331
Delaware	1,399	1,253	1,058	1,050	1,024	1,008	993
District of Columbia	3,932	3,431	2,807	2,813	2,724	2,684	2,652
Florida	15,291	13,577	11,442	11,409	11,124	10,973	10,830
Georgia	12,056	10,760	9,076	9,029	8,803	8,679	8,561
Hawaii	2,080	1,843	1,540	1,537	1,496	1,472	1,451
Idaho	958	853	725	723	704	694	683
Illinois	15,202	13,520	11,323	11,262	10,971	10,775	10,598
Indiana	8,524	7,463	6,196	6,164	5,995	5,908	5,818
Iowa	3,050	2,731	2,287	2,269	2,211	2,166	2,125
Kansas	2,998	2,677	2,273	2,266	2,211	2,186	2,164
Kentucky	5,625	4,954	4,135	4,113	3,999	3,937	3,880
Louisiana	8,167	7,346	6,150	6,098	5,945	5,862	5,793
Maine	988	881	748	745	726	717	709
Maryland	10,552	9,377	7,866	7,844	7,652	7,526	7,417
Massachusetts	10,246	9,256	7,973	7,926	7,788	7,647	7,516
Michigan	8,709	7,683	6,429	6,376	6,211	6,106	6,005
Minnesota	6,053	5,395	4,552	4,527	4,414	4,344	4,278
Mississippi	2,404	2,138	1,791	1,782	1,734	1,705	1,680
Missouri	7,089	6,345	5,404	5,373	5,254	5,175	5,105
Montana	749	670	567	562	547	539	532
Nebraska	1,854	1,652	1,383	1,376	1,338	1,315	1,294
Nevada	2,467	2,195	1,848	1,843	1,798	1,771	1,747
New Hampshire	1,373	1,225	1,034	1,030	1,005	987	970
New Jersey	12,163	10,844	9,200	9,134	8,919	8,814	8,718
New Mexico	2,336	2,110	1,793	1,787	1,756	1,731	1,709
New York	20,151	17,979	15,158	15,084	14,732	14,503	14,293
North Carolina	9,497	8,466	7,105	7,064	6,871	6,755	6,646
North Dakota	580	518	434	432	421	414	407
Ohio	14,104	12,514	10,492	10,433	10,168	9,988	9,830
Oklahoma	3,846	3,462	2,896	2,882	2,827	2,785	2,755
Oregon	3,724	3,300	2,799	2,790	2,718	2,680	2,638
Pennsylvania	14,549	12,926	10,817	10,764	10,476	10,293	10,130
Rhode Island	1,202	1,062	883	881	855	841	829
South Carolina	5,074	4,513	3,737	3,714	3,608	3,535	3,472
South Dakota	670	600	504	502	489	481	472
Tennessee	6,089	5,425	4,567	4,538	4,421	4,342	4,268
Texas	35,788	32,254	27,134	26,977	26,431	26,063	25,766
Utah	2,933	2,612	2,248	2,231	2,186	2,175	2,162
Vermont	417	371	314	313	305	300	295
Virginia	24,123	21,221	17,627	17,606	17,102	16,862	16,659
Washington	7,077	6,298	5,351	5,349	5,222	5,163	5,110
West Virginia	1,401	1,239	1,033	1,027	997	979	964
Wisconsin	6,548	5,873	4,983	4,938	4,824	4,711	4,615
Wyoming	955	865	722	718	705	694	688
U.S. Total	381,734	340,482	286,872	285,429	278,608	274,249	270,328

Source: RDEPPS Calculations

Table 15
Projections of Induced Defense Purchases Resulting from Direct Pay, by State
(Millions of 2014 dollars)

State	2012	2013	2014	2015	2016	2017	2018
Alabama	2,693	2,868	2,774	2,803	2,794	2,769	2,737
Alaska	1,189	1,264	1,223	1,237	1,236	1,225	1,212
Arizona	2,257	2,404	2,325	2,351	2,344	2,324	2,297
Arkansas	1,078	1,150	1,110	1,119	1,113	1,102	1,088
California	14,257	15,180	14,659	14,794	14,718	14,579	14,399
Colorado	2,888	3,077	2,980	3,014	3,009	2,986	2,955
Connecticut	1,178	1,257	1,223	1,240	1,238	1,232	1,222
Delaware	472	500	483	487	485	480	474
District of Columbia	1,535	1,631	1,580	1,599	1,598	1,586	1,570
Florida	6,851	7,296	7,062	7,138	7,120	7,061	6,985
Georgia	6,247	6,656	6,439	6,506	6,489	6,432	6,361
Hawaii	2,616	2,781	2,691	2,723	2,720	2,697	2,669
Idaho	521	556	537	543	540	536	529
Illinois	3,905	4,165	4,030	4,069	4,052	4,017	3,972
Indiana	2,207	2,357	2,278	2,295	2,281	2,258	2,229
Iowa	859	919	885	890	883	873	861
Kansas	1,746	1,860	1,800	1,819	1,815	1,800	1,781
Kentucky	2,656	2,828	2,734	2,761	2,753	2,727	2,695
Louisiana	2,040	2,168	2,090	2,103	2,091	2,069	2,044
Maine	590	628	607	613	611	606	599
Maryland	3,633	3,866	3,743	3,785	3,779	3,749	3,711
Massachusetts	1,883	2,009	1,950	1,976	1,973	1,962	1,944
Michigan	2,794	2,988	2,887	2,909	2,892	2,861	2,821
Minnesota	1,390	1,483	1,433	1,446	1,438	1,424	1,406
Mississippi	1,241	1,322	1,279	1,291	1,286	1,274	1,259
Missouri	2,219	2,368	2,290	2,310	2,301	2,279	2,253
Montana	335	357	345	348	347	344	340
Nebraska	856	913	882	890	886	878	867
Nevada	1,014	1,078	1,043	1,053	1,050	1,040	1,028
New Hampshire	389	415	402	406	404	401	396
New Jersey	3,118	3,325	3,225	3,261	3,252	3,229	3,198
New Mexico	1,020	1,087	1,051	1,062	1,060	1,051	1,040
New York	6,324	6,738	6,563	6,662	6,662	6,634	6,582
North Carolina	6,118	6,512	6,293	6,350	6,322	6,260	6,184
North Dakota	392	418	404	408	407	403	399
Ohio	3,948	4,211	4,069	4,102	4,080	4,039	3,988
Oklahoma	2,145	2,283	2,209	2,232	2,227	2,208	2,183
Oregon	993	1,062	1,024	1,035	1,030	1,021	1,008
Pennsylvania	3,817	4,071	3,941	3,979	3,963	3,930	3,887
Rhode Island	474	504	488	493	491	487	481
South Carolina	2,128	2,267	2,194	2,216	2,210	2,190	2,165
South Dakota	362	385	372	375	373	369	364
Tennessee	2,071	2,210	2,135	2,153	2,141	2,119	2,093
Texas	12,031	12,809	12,390	12,513	12,476	12,370	12,235
Utah	1,247	1,326	1,283	1,296	1,292	1,280	1,265
Vermont	173	184	178	180	179	177	175
Virginia	9,396	9,992	9,669	9,775	9,758	9,675	9,572
Washington	4,277	4,553	4,407	4,455	4,446	4,409	4,362
West Virginia	382	407	394	398	396	393	389
Wisconsin	1,368	1,463	1,412	1,422	1,412	1,397	1,378
Wyoming	251	267	258	260	260	257	254
U.S. Total	135,575	144,417	139,723	141,143	140,681	139,468	137,908

Source: RDEPPS Calculations

SECTION II: PROJECTIONS FOR SELECTED INDUSTRIES (IDEPPS)

The tables in this section show projected direct and indirect defense purchases from the 75 manufacturing industries most affected by defense spending.⁵ A separate table is provided for each industry.

The upper portion of each table provides projections of direct and indirect defense purchases for calendar years 2012 to 2018. The lower portion of each table displays the purchasing sectors for the indirect sales of the subject industry in those years.

As indicated in the introduction, indirect (sometimes called intermediate) demand reflects the costs of materials, parts, and services that prime contractors buy from suppliers to perform work for which DoD has contracted. Those sales, in turn, trigger subsequent rounds of transactions as subcontractors purchase goods and services from their major suppliers and those firms place orders with companies at lower tiers of the production chain. For example, a direct expenditure for aircraft stimulates indirect purchases for the electronic components, tires, aluminum, engineering and logistic services used to manufacture the aircraft. The term “indirect defense purchases” applies to this sequence of purchases—goods and services from subcontractors and lower-tier suppliers.

In addition, for the top 10 defense industries, tables are provided that display the origins of defense-related demand (both direct and indirect) by DoD purchasing function. That is, these tables trace the source of industrial demand by DoD appropriation such as operations and maintenance or aircraft procurement.

⁵ Although IDEPPS, the detailed interindustry model, forecasts defense demands by 360 industries, only the top 75 are presented in this section. A summary of all 360 industries sorted by the industry number is presented in the appendix.

**Table 1a: Projected Defense Purchases of
310 Scientific research and development services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	42,684	40,042	36,306	35,789	35,783	34,815	33,715
Indirect Purchases	4,276	3,864	3,306	3,299	3,273	3,231	3,191
Total :	46,960	43,906	39,612	39,088	39,056	38,046	36,906
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	65	59	53	55	53	52	51
Aircraft Parts	141	124	108	109	99	94	93
Ammunition	22	20	18	18	16	17	16
Communication Equipment	1,039	904	827	831	828	841	837
Missiles	251	229	227	225	227	242	249
Motor Vehicles	23	12	8	7	7	8	8
Shipbuilding	389	450	296	308	354	313	302
Tanks	51	24	17	16	14	16	18
Other Electronic Equipment	122	115	107	106	104	102	99
Other Ordinances	7	6	6	5	5	5	5
Other	2,165	1,921	1,640	1,617	1,565	1,542	1,514
Total :	4,276	3,864	3,306	3,299	3,273	3,231	3,191

Note: numbers may not add due to rounding

Table 1b: Sources of Projected Defense Purchases
310 Scientific research and development services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	143	161	142	137	138	138	137
Operations & Maintenance *	8,670	7,251	5,766	5,844	5,547	5,464	5,399
Aircraft	446	404	363	370	343	340	339
Missiles	581	544	599	588	612	702	704
Weapons and Tracked Vehicles	119	52	36	33	28	31	32
Shipbuilding	460	642	325	338	408	371	366
Ammunition	100	95	90	89	82	82	80
Other	2,564	2,272	2,080	1,955	2,063	2,382	2,448
Total Procurement	4,269	4,009	3,493	3,373	3,536	3,909	3,970
RDT&E	33,768	32,344	30,082	29,617	29,730	28,436	27,301
Military Construction	104	134	124	113	101	96	95
Family Housing	7	7	5	4	4	4	4
Total :	46,960	43,906	39,612	39,088	39,056	38,046	36,906

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 2a: Projected Defense Purchases of
303 Architectural, engineering, and related services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	40,469	36,308	32,209	31,933	31,154	30,694	30,652
Indirect Purchases	8,408	7,493	6,317	6,279	6,112	5,953	5,841
Total :	48,876	43,801	38,525	38,212	37,265	36,647	36,493
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	44	40	36	38	36	35	35
Aircraft Parts	122	106	93	94	85	80	80
Ammunition	18	17	15	15	14	14	14
Communication Equipment	279	243	223	224	223	227	225
Missiles	302	277	273	271	274	292	300
Motor Vehicles	13	7	5	4	4	4	4
Shipbuilding	347	401	263	274	315	279	268
Tanks	27	13	9	9	7	8	10
Other Electronic Equipment	23	21	20	19	19	19	18
Other Ordinances	8	7	6	6	6	5	5
Other	7,225	6,361	5,374	5,325	5,129	4,990	4,882
Total :	8,408	7,493	6,317	6,279	6,112	5,953	5,841

Note: numbers may not add due to rounding

Table 2b: Sources of Projected Defense Purchases
303 Architectural, engineering, and related services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	201	227	201	195	197	197	196
Operations & Maintenance *	23,167	19,875	15,689	15,967	15,127	15,001	14,903
Aircraft	2,399	2,134	1,898	1,905	1,719	1,703	1,687
Missiles	2,077	1,933	2,046	2,035	2,108	2,385	2,434
Weapons and Tracked Vehicles	336	162	113	109	109	134	137
Shipbuilding	3,868	4,286	4,810	4,332	4,450	4,198	4,475
Ammunition	113	113	114	110	111	114	107
Other	5,435	4,315	4,139	4,230	4,223	4,374	4,551
Total Procurement	14,229	12,942	13,121	12,721	12,720	12,909	13,391
RDT&E	9,294	8,841	7,982	7,854	7,894	7,398	6,985
Military Construction	1,878	1,812	1,450	1,405	1,260	1,075	950
Family Housing	108	104	83	71	67	67	67
Total :	48,876	43,801	38,525	38,212	37,265	36,647	36,493

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

Table 3a: Projected Defense Purchases of**94 Petroleum refineries**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	20,037	17,716	14,490	13,836	13,035	12,922	12,791
Indirect Purchases	16,865	15,022	12,523	12,330	11,893	11,718	11,545
Total :	36,902	32,738	27,013	26,166	24,928	24,640	24,335
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	44	40	36	38	36	35	34
Aircraft Parts	154	135	118	119	108	102	100
Ammunition	46	43	39	39	35	35	35
Communication Equipment	268	233	212	213	211	214	212
Missiles	126	115	113	112	113	120	123
Motor Vehicles	30	16	10	9	8	9	10
Shipbuilding	243	280	183	190	217	191	183
Tanks	56	26	19	18	15	17	20
Other Electronic Equipment	50	47	43	43	42	41	40
Other Ordinances	11	9	9	8	8	8	7
Other	15,839	14,078	11,740	11,541	11,100	10,946	10,780
Total :	16,866	15,023	12,523	12,330	11,893	11,718	11,545

Note: numbers may not add due to rounding

Table 3b: Sources of Projected Defense Purchases**94 Petroleum refineries**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	8,405	9,417	8,330	8,100	8,128	8,154	8,077
Operations & Maintenance *	23,372	18,797	14,896	14,427	13,210	12,946	12,779
Aircraft	613	552	502	529	502	505	501
Missiles	111	104	107	106	111	125	128
Weapons and Tracked Vehicles	135	59	40	36	31	36	37
Shipbuilding	268	317	228	230	260	231	227
Ammunition	107	100	92	92	81	81	80
Other	2,198	1,773	1,393	1,258	1,256	1,312	1,330
Total Procurement	3,432	2,905	2,363	2,251	2,240	2,290	2,303
RDT&E	1,103	1,055	971	955	958	909	867
Military Construction	533	509	408	395	356	306	272
Family Housing	56	56	44	38	36	36	36
Total :	36,902	32,738	27,013	26,166	24,928	24,640	24,335

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 4a: Projected Defense Purchases of
235 Aircraft**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29,257	26,388	23,711	24,760	24,169	24,416	24,078
Indirect Purchases	182	165	141	141	137	134	133
Total :	29,439	26,553	23,852	24,901	24,305	24,550	24,211
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	4	4	3	3	3	3	3
Ammunition	0	0	0	0	0	0	0
Communication Equipment	1	1	1	1	1	1	1
Missiles	2	2	2	2	2	2	2
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	1	1	0	0	1	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	173	158	135	134	130	128	126
Total :	182	165	141	141	137	134	133

Note: numbers may not add due to rounding

Table 4b: Sources of Projected Defense Purchases
235 Aircraft

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	19	22	19	19	19	19	19
Operations & Maintenance *	1,803	1,378	1,039	1,050	975	952	942
Aircraft	20,231	18,179	16,801	17,626	16,991	17,665	17,653
Missiles	37	36	41	43	44	50	51
Weapons and Tracked Vehicles	1	0	1	1	0	0	0
Shipbuilding	1	1	1	1	1	1	1
Ammunition	5	5	5	5	5	5	5
Other	399	356	347	365	357	364	386
Total Procurement	20,673	18,578	17,195	18,041	17,398	18,086	18,096
RDT&E	6,933	6,559	5,582	5,777	5,901	5,481	5,140
Military Construction	10	16	16	14	12	12	13
Family Housing	0	0	0	0	0	0	0
Total :	29,439	26,553	23,852	24,901	24,305	24,550	24,211

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 5a: Projected Defense Purchases of
16 Crude oil extraction**
(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	58	44	33	29	20	19	19
Indirect Purchases	30,157	26,711	22,063	21,422	20,439	20,195	19,947
Total :	30,215	26,755	22,097	21,451	20,459	20,214	19,966
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	55	50	44	46	44	43	42
Aircraft Parts	181	159	138	140	126	119	118
Ammunition	69	65	59	59	53	53	53
Communication Equipment	317	276	252	252	250	253	251
Missiles	149	137	134	133	134	142	146
Motor Vehicles	39	21	13	12	11	12	13
Shipbuilding	295	341	223	231	264	232	222
Tanks	74	35	25	24	20	23	26
Other Electronic Equipment	62	59	55	54	53	51	50
Other Ordinances	15	13	12	11	11	11	10
Other	28,903	25,558	21,108	20,460	19,473	19,255	19,016
Total :	30,158	26,712	22,064	21,422	20,440	20,195	19,947

Note: numbers may not add due to rounding

Table 5b: Sources of Projected Defense Purchases**16 Crude oil extraction**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	6,335	7,106	6,286	6,111	6,134	6,153	6,096
Operations & Maintenance *	19,093	15,388	12,219	11,860	10,885	10,670	10,537
Aircraft	643	580	527	553	523	526	521
Missiles	120	114	116	115	120	136	138
Weapons and Tracked Vehicles	177	78	53	47	41	47	48
Shipbuilding	312	369	261	264	300	266	260
Ammunition	126	118	109	108	96	96	95
Other	1,834	1,492	1,196	1,096	1,097	1,147	1,165
Total Procurement	3,212	2,751	2,262	2,184	2,177	2,217	2,228
RDT&E	1,062	1,017	935	920	923	875	834
Military Construction	443	424	340	329	296	254	227
Family Housing	71	71	55	46	44	44	44
Total :	30,215	26,755	22,097	21,451	20,459	20,214	19,966

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 6a: Projected Defense Purchases of
315 Management of companies and enterprises**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	27,609	24,511	20,964	20,883	20,409	20,229	20,054
Total :	27,609	24,511	20,964	20,883	20,409	20,229	20,054
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	630	572	510	534	508	500	491
Aircraft Parts	1,437	1,259	1,097	1,113	1,010	953	945
Ammunition	205	191	175	173	157	157	156
Communication Equipment	4,513	3,923	3,588	3,607	3,591	3,648	3,629
Missiles	1,927	1,765	1,742	1,730	1,746	1,859	1,913
Motor Vehicles	223	117	77	71	65	74	75
Shipbuilding	1,276	1,473	965	1,002	1,150	1,012	972
Tanks	497	236	170	160	135	155	179
Other Electronic Equipment	523	491	457	452	446	434	422
Other Ordinances	70	60	57	54	51	50	48
Other	16,308	14,422	12,124	11,989	11,551	11,387	11,224
Total :	27,610	24,511	20,964	20,884	20,409	20,229	20,054

Note: numbers may not add due to rounding

Table 6b: Sources of Projected Defense Purchases
315 Management of companies and enterprises

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	1,458	1,645	1,453	1,407	1,416	1,419	1,409
Operations & Maintenance *	10,336	8,574	6,804	6,766	6,320	6,203	6,118
Aircraft	3,021	2,725	2,415	2,471	2,276	2,229	2,227
Missiles	1,036	993	1,036	1,028	1,073	1,205	1,229
Weapons and Tracked Vehicles	905	386	258	233	196	215	223
Shipbuilding	1,280	1,514	1,043	1,068	1,225	1,082	1,054
Ammunition	368	352	345	342	312	310	300
Other	4,602	3,905	3,639	3,638	3,670	3,875	3,992
Total Procurement	11,212	9,875	8,737	8,780	8,753	8,916	9,024
RDT&E	4,083	3,903	3,556	3,538	3,567	3,383	3,223
Military Construction	465	458	370	356	318	274	244
Family Housing	55	55	43	36	34	34	34
Total :	27,609	24,511	20,964	20,883	20,409	20,229	20,054

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 7a: Projected Defense Purchases of
285 Telecommunications**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15,056	12,301	10,218	10,243	9,880	9,762	9,680
Indirect Purchases	9,657	8,373	7,038	7,026	6,831	6,741	6,656
Total :	24,713	20,675	17,256	17,269	16,712	16,503	16,336
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	50	46	41	42	40	40	39
Aircraft Parts	102	89	78	79	71	67	67
Ammunition	24	23	21	20	19	19	19
Communication Equipment	414	359	329	330	329	333	331
Missiles	162	148	146	145	147	156	161
Motor Vehicles	20	10	7	6	6	6	7
Shipbuilding	233	269	176	183	211	186	179
Tanks	45	21	15	14	12	14	16
Other Electronic Equipment	40	38	35	35	34	33	32
Other Ordinances	10	8	8	7	7	7	7
Other	8,557	7,361	6,182	6,163	5,956	5,879	5,799
Total :	9,657	8,373	7,038	7,026	6,831	6,741	6,656

Note: numbers may not add due to rounding

Table 7b: Sources of Projected Defense Purchases**285 Telecommunications**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	374	421	372	360	362	362	360
Operations & Maintenance *	19,801	16,194	13,261	13,339	12,779	12,598	12,490
Aircraft	444	401	364	381	360	365	362
Missiles	163	152	161	160	165	187	192
Weapons and Tracked Vehicles	93	40	28	25	22	24	25
Shipbuilding	267	315	232	232	263	234	232
Ammunition	44	43	41	41	38	38	37
Other	1,809	1,459	1,337	1,323	1,336	1,382	1,388
Total Procurement	2,822	2,411	2,163	2,163	2,184	2,229	2,235
RDT&E	1,267	1,211	1,114	1,097	1,102	1,046	999
Military Construction	216	209	169	163	147	128	116
Family Housing	233	230	176	147	138	138	138
Total :	24,713	20,675	17,256	17,269	16,712	16,503	16,336

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 8a: Projected Defense Purchases of
294 Real estate**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,771	4,980	4,057	3,893	3,728	3,682	3,638
Indirect Purchases	17,107	15,254	12,931	12,862	12,542	12,365	12,184
Total :	22,878	20,233	16,987	16,754	16,270	16,046	15,821
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	87	79	71	74	70	69	68
Aircraft Parts	219	192	167	169	154	145	143
Ammunition	57	53	49	48	44	44	43
Communication Equipment	735	637	582	585	581	589	586
Missiles	345	316	311	309	312	332	341
Motor Vehicles	45	24	15	14	13	15	15
Shipbuilding	428	494	324	336	386	340	327
Tanks	107	51	37	34	29	33	38
Other Electronic Equipment	101	94	88	87	86	83	81
Other Ordinances	21	18	17	16	16	15	15
Other	14,962	13,295	11,270	11,189	10,852	10,699	10,526
Total :	17,108	15,254	12,931	12,862	12,542	12,365	12,184

Note: numbers may not add due to rounding

Table 8b: Sources of Projected Defense Purchases**294 Real estate**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	1,013	1,138	1,006	975	979	981	973
Operations & Maintenance *	13,753	11,588	9,424	9,395	8,961	8,848	8,735
Aircraft	833	750	677	706	664	667	662
Missiles	277	262	276	274	285	322	331
Weapons and Tracked Vehicles	210	90	61	56	48	53	55
Shipbuilding	525	616	469	464	521	467	464
Ammunition	108	102	98	97	87	87	85
Other	1,492	1,255	1,151	1,143	1,153	1,222	1,254
Total Procurement	3,443	3,075	2,731	2,740	2,758	2,819	2,852
RDT&E	2,864	2,739	2,527	2,489	2,499	2,377	2,272
Military Construction	832	761	628	617	569	518	485
Family Housing	972	931	671	539	505	503	504
Total :	22,878	20,233	16,987	16,754	16,270	16,046	15,821

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 9a: Projected Defense Purchases of
270 Truck transportation**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16,410	14,584	11,842	11,450	11,049	10,964	10,846
Indirect Purchases	5,600	4,968	4,133	4,093	3,960	3,885	3,826
Total :	22,010	19,552	15,974	15,543	15,009	14,849	14,672
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	66	60	53	56	53	52	51
Aircraft Parts	320	281	245	248	225	212	210
Ammunition	35	33	30	30	27	27	27
Communication Equipment	252	219	200	200	199	202	200
Missiles	140	128	126	125	126	134	138
Motor Vehicles	43	22	15	14	12	14	14
Shipbuilding	231	266	174	180	205	180	173
Tanks	63	30	22	20	17	20	23
Other Electronic Equipment	44	41	39	38	38	37	36
Other Ordinances	14	12	11	10	10	10	9
Other	4,392	3,876	3,220	3,172	3,047	2,998	2,946
Total :	5,600	4,968	4,133	4,093	3,960	3,886	3,826

Note: numbers may not add due to rounding

Table 9b: Sources of Projected Defense Purchases**270 Truck transportation**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	5,903	6,620	5,854	5,687	5,706	5,724	5,670
Operations & Maintenance *	12,616	9,904	7,640	7,472	6,950	6,797	6,701
Aircraft	519	466	414	425	393	385	383
Missiles	87	83	86	86	89	100	102
Weapons and Tracked Vehicles	155	68	45	40	35	40	41
Shipbuilding	225	265	179	184	212	186	180
Ammunition	58	54	51	51	45	45	44
Other	1,644	1,321	1,031	936	933	975	989
Total Procurement	2,687	2,258	1,807	1,722	1,706	1,730	1,740
RDT&E	542	517	471	467	470	445	423
Military Construction	234	224	180	174	156	134	120
Family Housing	28	29	23	20	19	19	19
Total :	22,010	19,552	15,974	15,543	15,009	14,849	14,672

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 10a: Projected Defense Purchases of
328 Offices of physicians, dentists, and other health practitioners**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18,943	17,981	15,631	15,849	15,530	15,374	15,082
Indirect Purchases	17	17	18	18	20	21	19
Total :	18,960	17,998	15,648	15,867	15,550	15,394	15,101
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	16	17	18	17	20	21	19
Total :	17	17	18	18	20	21	19

Note: numbers may not add due to rounding

Table 10b: Sources of Projected Defense Purchases
328 Offices of physicians, dentists, and other health practitioners

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES BY BUDGET CATEGORY							
Military Personnel	0	0	0	0	0	0	0
Operations & Maintenance *	18,943	17,982	15,633	15,853	15,537	15,382	15,089
Aircraft	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Weapons and Tracked Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total Procurement	0	0	0	0	0	0	0
RDT&E	17	16	15	14	13	12	11
Military Construction	0	0	0	0	0	0	0
Family Housing	0	0	0	0	0	0	0
Total :	18,960	17,998	15,648	15,867	15,550	15,394	15,101

Direct plus indirect purchases.

* Includes net funds appropriated to Defense-Wide Contingencies; Revolving and Management Funds; Trust Receipts; Deductions, Intragovernment Receipts.

Note: Numbers may not add due to rounding

**Table 11: Projected Defense Purchases of
241 Ship building and repairing**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	19,692	22,769	14,980	15,627	18,026	15,956	15,411
Indirect Purchases	238	229	185	184	188	183	179
Total :	19,930	22,998	15,165	15,811	18,214	16,139	15,590
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	42	50	36	37	45	41	39
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	196	179	149	146	142	141	140
Total :	238	229	185	184	188	183	179

Note: numbers may not add due to rounding

**Table 12: Projected Defense Purchases of
267 Air transportation**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16,598	15,290	13,079	12,982	12,668	12,559	12,414
Indirect Purchases	2,300	2,051	1,775	1,806	1,771	1,773	1,749
Total :	18,899	17,341	14,855	14,787	14,439	14,332	14,163
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	18	16	15	15	15	14	14
Aircraft Parts	34	30	26	26	24	23	22
Ammunition	6	6	5	5	5	5	5
Communication Equipment	99	86	78	79	78	79	79
Missiles	60	55	54	54	54	57	59
Motor Vehicles	5	3	2	2	2	2	2
Shipbuilding	96	111	73	76	87	77	74
Tanks	11	5	4	4	3	4	4
Other Electronic Equipment	11	10	9	9	9	9	9
Other Ordinances	2	2	2	2	2	2	1
Other	1,958	1,728	1,508	1,535	1,493	1,502	1,480
Total :	2,300	2,051	1,775	1,806	1,771	1,773	1,749

Note: numbers may not add due to rounding

**Table 13: Projected Defense Purchases of
265 Wholesale trade**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,036	972	834	834	804	795	782
Indirect Purchases	18,463	16,351	13,734	13,686	13,367	13,176	12,991
Total :	19,499	17,323	14,568	14,520	14,171	13,972	13,772
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	163	148	132	138	131	129	127
Aircraft Parts	463	406	354	358	324	306	303
Ammunition	151	142	129	128	116	116	115
Communication Equipment	2,349	2,037	1,862	1,870	1,858	1,881	1,868
Missiles	559	512	507	503	507	539	555
Motor Vehicles	190	99	65	61	55	62	64
Shipbuilding	1,211	1,396	914	947	1,085	954	915
Tanks	345	164	118	111	94	107	124
Other Electronic Equipment	462	434	405	400	396	385	375
Other Ordinances	56	48	45	43	40	40	38
Other	12,512	10,965	9,202	9,128	8,760	8,657	8,508
Total :	18,463	16,351	13,734	13,686	13,367	13,176	12,991

Note: numbers may not add due to rounding

**Table 14: Projected Defense Purchases of
35 Maintenance and repair of nonresidential buildings, infrastructure and other**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16,416	13,192	10,126	10,137	9,464	9,227	9,081
Indirect Purchases	4,693	4,218	3,596	3,572	3,509	3,453	3,398
Total :	21,109	17,411	13,722	13,709	12,973	12,679	12,479
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	26	24	21	22	21	21	20
Aircraft Parts	58	51	44	45	41	38	38
Ammunition	23	21	19	19	17	17	17
Communication Equipment	174	151	138	139	138	140	139
Missiles	62	57	56	55	56	60	61
Motor Vehicles	15	8	5	5	4	5	5
Shipbuilding	153	177	116	120	139	122	117
Tanks	28	13	10	9	8	9	10
Other Electronic Equipment	28	27	25	25	24	24	23
Other Ordinances	6	5	5	5	4	4	4
Other	4,121	3,685	3,157	3,129	3,056	3,013	2,962
Total :	4,694	4,219	3,596	3,573	3,509	3,453	3,398

Note: numbers may not add due to rounding

**Table 15: Projected Defense Purchases of
203 Search, detection, and navigation instruments**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14,907	13,047	11,953	12,036	12,030	12,311	12,262
Indirect Purchases	743	689	580	582	577	558	552
Total :	15,650	13,736	12,533	12,618	12,607	12,870	12,813
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	34	31	27	29	27	27	26
Aircraft Parts	58	51	44	45	41	39	38
Ammunition	0	0	0	0	0	0	0
Communication Equipment	39	35	35	35	37	38	37
Missiles	47	43	43	42	43	46	47
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	83	96	63	66	76	67	65
Tanks	2	1	1	1	1	1	1
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	479	431	366	365	353	341	337
Total :	743	689	580	582	577	558	552

Note: numbers may not add due to rounding

**Table 16: Projected Defense Purchases of
308 Management, scientific, and technical consulting services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,646	6,127	4,633	4,576	4,268	4,166	4,070
Indirect Purchases	9,193	8,290	6,992	6,973	6,870	6,726	6,625
Total :	16,839	14,417	11,624	11,549	11,138	10,892	10,695
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	146	133	119	124	118	116	114
Aircraft Parts	124	109	95	96	87	82	82
Ammunition	28	26	24	24	22	22	21
Communication Equipment	504	437	400	402	400	405	403
Missiles	260	238	234	233	235	250	257
Motor Vehicles	21	11	7	7	6	7	7
Shipbuilding	644	744	489	509	587	518	500
Tanks	73	35	25	23	20	23	26
Other Electronic Equipment	52	48	45	45	44	43	42
Other Ordinances	13	11	10	10	9	9	9
Other	7,329	6,498	5,544	5,501	5,343	5,251	5,164
Total :	9,193	8,290	6,992	6,973	6,870	6,726	6,625

Note: numbers may not add due to rounding

**Table 17: Projected Defense Purchases of
238 Guided missiles and space vehicles**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12,235	11,261	11,258	11,187	11,333	12,102	12,451
Indirect Purchases	325	298	290	287	290	304	310
Total :	12,560	11,559	11,547	11,474	11,623	12,406	12,761
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	8	7	7	7	7	7	7
Missiles	265	243	240	238	240	256	263
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	1	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	1	0	0	0	0	0	0
Other	50	46	42	41	41	40	39
Total :	325	298	290	287	290	304	310

Note: numbers may not add due to rounding

**Table 18: Projected Defense Purchases of
32 New non-residential building construction**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14,708	13,089	10,748	10,574	9,869	9,187	8,722
Indirect Purchases	12	12	12	11	12	12	10
Total :	14,720	13,101	10,760	10,585	9,881	9,199	8,733
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Other	12	12	12	11	12	12	10
Total :	12	12	12	11	12	12	10

Note: numbers may not add due to rounding

**Table 19: Projected Defense Purchases of
237 Other aircraft parts and auxiliary equipment**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9,181	8,034	6,980	7,076	6,402	6,027	5,974
Indirect Purchases	3,199	2,882	2,492	2,495	2,404	2,338	2,313
Total :	12,380	10,916	9,472	9,571	8,805	8,365	8,287
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	113	103	91	96	91	90	88
Aircraft Parts	614	554	501	508	481	471	466
Ammunition	4	4	3	3	3	3	3
Communication Equipment	12	10	9	9	9	9	9
Missiles	70	64	64	64	64	68	71
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	2	2	1	1	2	1	1
Tanks	5	3	2	2	1	2	2
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	2	2	2	2	2	2	2
Other	2,376	2,140	1,818	1,810	1,750	1,690	1,671
Total :	3,199	2,882	2,492	2,495	2,404	2,338	2,313

Note: numbers may not add due to rounding

**Table 20: Projected Defense Purchases of
312 All other miscellaneous professional, scientific, and technical services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,883	6,697	5,488	5,399	5,181	5,027	4,882
Indirect Purchases	4,617	4,163	3,553	3,537	3,484	3,415	3,364
Total :	12,500	10,861	9,042	8,936	8,665	8,443	8,246
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	39	36	32	33	31	31	30
Aircraft Parts	86	75	65	66	60	57	56
Ammunition	15	14	13	13	12	12	11
Communication Equipment	181	157	144	144	143	146	145
Missiles	137	125	124	123	124	132	135
Motor Vehicles	14	8	5	5	4	5	5
Shipbuilding	276	319	209	218	250	221	213
Tanks	44	21	15	14	12	14	16
Other Electronic Equipment	21	20	19	18	18	18	17
Other Ordinances	6	6	5	5	5	5	4
Other	3,797	3,383	2,923	2,898	2,824	2,777	2,731
Total :	4,617	4,163	3,553	3,537	3,484	3,415	3,364

Note: numbers may not add due to rounding

**Table 21: Projected Defense Purchases of
307 Other computer related services, including facilities management**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,816	7,017	5,976	6,052	5,856	5,826	5,790
Indirect Purchases	3,354	2,986	2,545	2,534	2,482	2,444	2,411
Total :	11,170	10,004	8,522	8,586	8,338	8,270	8,201
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	27	24	22	23	22	21	21
Aircraft Parts	51	44	39	39	36	34	33
Ammunition	9	9	8	8	7	7	7
Communication Equipment	284	247	226	228	227	231	230
Missiles	86	79	78	78	78	83	86
Motor Vehicles	8	4	3	3	2	3	3
Shipbuilding	127	146	96	100	115	101	97
Tanks	19	9	7	6	5	6	7
Other Electronic Equipment	21	19	18	18	18	17	17
Other Ordinances	4	4	4	3	3	3	3
Other	2,718	2,400	2,046	2,030	1,970	1,938	1,908
Total :	3,354	2,986	2,545	2,534	2,482	2,444	2,411

Note: numbers may not add due to rounding

**Table 22: Projected Defense Purchases of
28 Electric power generation, transmission, and distribution**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,030	4,040	3,316	3,292	3,144	3,099	3,081
Indirect Purchases	6,688	5,968	5,019	4,993	4,866	4,789	4,719
Total :	11,717	10,008	8,335	8,285	8,010	7,888	7,800
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	75	68	61	64	60	59	58
Aircraft Parts	222	195	170	172	156	147	146
Ammunition	83	78	71	70	64	64	64
Communication Equipment	414	360	329	331	329	333	331
Missiles	203	187	183	182	183	195	200
Motor Vehicles	43	23	15	14	12	14	14
Shipbuilding	349	403	264	274	314	276	265
Tanks	87	42	30	28	24	27	31
Other Electronic Equipment	80	75	70	70	69	67	65
Other Ordinances	22	19	17	17	16	15	15
Other	5,109	4,520	3,809	3,774	3,639	3,591	3,530
Total :	6,688	5,969	5,019	4,993	4,866	4,789	4,719

Note: numbers may not add due to rounding

**Table 23: Projected Defense Purchases of
311 Advertising and related services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,145	882	628	624	570	555	544
Indirect Purchases	9,666	8,570	7,313	7,329	7,155	7,107	7,022
Total :	10,811	9,452	7,941	7,953	7,725	7,662	7,567
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	88	80	72	75	71	70	69
Aircraft Parts	206	180	157	159	145	136	135
Ammunition	48	45	41	41	37	37	37
Communication Equipment	863	750	685	689	686	695	692
Missiles	314	288	284	282	284	303	311
Motor Vehicles	39	21	13	12	11	13	13
Shipbuilding	340	393	258	267	307	271	260
Tanks	87	41	30	28	24	27	31
Other Electronic Equipment	94	88	82	81	80	78	75
Other Ordinances	23	19	18	17	16	16	15
Other	7,563	6,665	5,673	5,677	5,495	5,461	5,384
Total :	9,666	8,570	7,313	7,329	7,156	7,107	7,022

Note: numbers may not add due to rounding

Table 24: Projected Defense Purchases of**291 Insurance carriers**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,990	3,225	2,846	2,756	2,756	2,763	2,745
Indirect Purchases	6,665	5,984	5,065	5,022	4,889	4,826	4,764
Total :	9,655	9,209	7,912	7,778	7,645	7,589	7,509
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	21	19	17	17	16	16	16
Aircraft Parts	52	46	40	40	37	34	34
Ammunition	10	10	9	9	8	8	8
Communication Equipment	152	132	121	121	120	122	121
Missiles	77	70	69	69	69	74	76
Motor Vehicles	10	5	3	3	3	3	3
Shipbuilding	108	125	82	85	97	86	82
Tanks	19	9	7	6	5	6	7
Other Electronic Equipment	19	18	16	16	16	16	15
Other Ordinances	4	3	3	3	3	3	3
Other	6,192	5,548	4,699	4,652	4,514	4,458	4,399
Total :	6,665	5,985	5,065	5,022	4,889	4,826	4,764

Note: numbers may not add due to rounding

**Table 25: Projected Defense Purchases of
340 Food services and drinking places**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,953	3,455	2,840	2,817	2,714	2,686	2,663
Indirect Purchases	6,493	5,805	4,928	4,907	4,798	4,724	4,663
Total :	10,447	9,260	7,768	7,724	7,511	7,410	7,326
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	40	37	33	34	32	32	31
Aircraft Parts	84	74	64	65	59	56	55
Ammunition	15	14	13	12	11	11	11
Communication Equipment	249	216	198	198	197	200	199
Missiles	160	146	144	143	144	154	158
Motor Vehicles	14	8	5	5	4	5	5
Shipbuilding	242	279	183	191	219	193	186
Tanks	32	15	11	10	9	10	11
Other Electronic Equipment	25	24	22	22	22	21	20
Other Ordinances	6	5	5	5	4	4	4
Other	5,625	4,987	4,250	4,222	4,095	4,038	3,982
Total :	6,494	5,805	4,928	4,907	4,798	4,724	4,663

Note: numbers may not add due to rounding

**Table 26: Projected Defense Purchases of
236 Aircraft engines and engine parts**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,360	4,868	4,318	4,493	4,255	4,177	4,081
Indirect Purchases	4,371	3,913	3,405	3,471	3,328	3,250	3,218
Total :	9,731	8,781	7,723	7,964	7,583	7,426	7,299
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	1,553	1,412	1,259	1,318	1,255	1,237	1,214
Aircraft Parts	378	332	290	296	270	256	255
Ammunition	1	1	1	1	1	1	1
Communication Equipment	9	8	8	8	8	8	8
Missiles	90	83	82	82	83	89	92
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	10	11	7	7	7	6	5
Tanks	72	34	25	23	20	23	27
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	1	1	1	1	1	1	1
Other	2,254	2,031	1,732	1,734	1,683	1,629	1,615
Total :	4,371	3,913	3,405	3,471	3,328	3,250	3,218

Note: numbers may not add due to rounding

**Table 27: Projected Defense Purchases of
197 Broadcast and wireless communications equipment**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,805	5,927	5,382	5,361	5,325	5,317	5,275
Indirect Purchases	2,368	2,093	1,936	1,979	1,964	2,007	1,999
Total :	9,172	8,019	7,318	7,340	7,289	7,324	7,274
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	17	15	14	15	14	14	13
Aircraft Parts	24	21	19	19	17	16	16
Ammunition	0	0	0	0	0	0	0
Communication Equipment	1,743	1,532	1,421	1,464	1,457	1,490	1,477
Missiles	266	243	243	242	245	261	270
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	3	3	2	2	2	2	2
Tanks	1	1	0	0	0	0	0
Other Electronic Equipment	8	8	8	7	7	7	7
Other Ordinances	0	0	0	0	0	0	0
Other	303	269	229	229	221	215	212
Total :	2,368	2,093	1,936	1,979	1,964	2,007	1,999

Note: numbers may not add due to rounding

**Table 28: Projected Defense Purchases of
288 Monetary authorities and depository credit intermediation**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	9,491	8,487	7,193	7,183	7,025	6,918	6,815
Total :	9,491	8,487	7,193	7,183	7,025	6,918	6,815
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	62	56	50	52	50	49	48
Aircraft Parts	135	118	103	104	94	89	88
Ammunition	25	24	21	21	19	19	19
Communication Equipment	353	306	280	281	280	284	282
Missiles	215	197	194	192	194	206	212
Motor Vehicles	25	13	8	8	7	8	8
Shipbuilding	403	465	305	317	365	322	310
Tanks	63	30	21	20	17	19	22
Other Electronic Equipment	39	36	34	33	33	32	31
Other Ordinances	10	9	8	8	7	7	7
Other	8,163	7,234	6,168	6,145	5,959	5,882	5,787
Total :	9,491	8,487	7,193	7,183	7,025	6,918	6,815

Note: numbers may not add due to rounding

**Table 29: Projected Defense Purchases of
273 Scenic and sightseeing transportation and support activities for transportation**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,448	3,857	3,326	3,420	3,280	3,252	3,228
Indirect Purchases	4,633	4,191	3,532	3,496	3,400	3,367	3,325
Total :	9,080	8,048	6,858	6,916	6,679	6,620	6,553
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	8	7	7	7	6	6	6
Aircraft Parts	23	20	17	18	16	15	15
Ammunition	4	4	4	4	3	3	3
Communication Equipment	54	47	43	43	43	43	43
Missiles	25	23	23	23	23	24	25
Motor Vehicles	5	2	2	1	1	2	2
Shipbuilding	40	46	30	31	36	32	30
Tanks	8	4	3	3	2	2	3
Other Electronic Equipment	8	7	7	7	7	6	6
Other Ordinances	2	1	1	1	1	1	1
Other	4,455	4,028	3,395	3,359	3,261	3,232	3,191
Total :	4,633	4,191	3,532	3,496	3,400	3,367	3,325

Note: numbers may not add due to rounding

**Table 30: Projected Defense Purchases of
322 Employment services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	236	196	154	158	149	147	147
Indirect Purchases	8,785	7,825	6,647	6,610	6,458	6,381	6,311
Total :	9,020	8,021	6,801	6,767	6,607	6,529	6,458
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	63	58	51	54	51	50	49
Aircraft Parts	128	112	98	99	90	85	84
Ammunition	26	24	22	22	20	20	19
Communication Equipment	441	383	351	352	351	356	354
Missiles	451	413	408	405	409	435	448
Motor Vehicles	14	8	5	5	4	5	5
Shipbuilding	272	313	206	214	245	216	208
Tanks	34	16	12	11	9	10	12
Other Electronic Equipment	31	29	27	27	26	26	25
Other Ordinances	11	9	9	8	8	8	7
Other	7,314	6,459	5,460	5,414	5,245	5,171	5,100
Total :	8,785	7,825	6,647	6,610	6,458	6,381	6,311

Note: numbers may not add due to rounding

**Table 31: Projected Defense Purchases of
269 Water transportation**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8,213	7,499	6,203	6,103	5,916	5,885	5,831
Indirect Purchases	425	394	351	347	345	337	328
Total :	8,637	7,892	6,554	6,450	6,261	6,222	6,159
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	1	1	1	1	1	1	1
Aircraft Parts	3	3	3	3	2	2	2
Ammunition	1	1	1	1	1	1	1
Communication Equipment	9	8	7	7	7	8	7
Missiles	3	3	3	3	3	3	3
Motor Vehicles	1	0	0	0	0	0	0
Shipbuilding	5	6	4	4	5	4	4
Tanks	1	1	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0	0
Other	399	370	331	327	325	318	308
Total :	425	394	351	347	345	337	328

Note: numbers may not add due to rounding

**Table 32: Projected Defense Purchases of
290 Securities, commodity contracts, investments, and related activities**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	216	216	184	175	165	164	163
Indirect Purchases	8,154	7,387	6,169	6,146	6,055	5,936	5,854
Total :	8,370	7,603	6,353	6,321	6,220	6,100	6,016
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	102	93	83	87	82	81	79
Aircraft Parts	218	190	166	168	152	144	142
Ammunition	48	45	41	40	36	36	36
Communication Equipment	448	389	356	357	355	361	359
Missiles	385	353	347	345	348	370	380
Motor Vehicles	47	24	16	15	13	15	15
Shipbuilding	720	831	546	568	654	577	556
Tanks	107	51	36	34	29	33	38
Other Electronic Equipment	57	53	49	49	48	47	45
Other Ordinances	19	16	15	15	14	14	13
Other	6,006	5,342	4,514	4,469	4,323	4,259	4,189
Total :	8,154	7,388	6,169	6,146	6,055	5,936	5,854

Note: numbers may not add due to rounding

**Table 33: Projected Defense Purchases of
339 Hotels and other accommodations**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,050	4,501	3,769	3,693	3,580	3,549	3,521
Indirect Purchases	2,660	2,372	2,018	2,027	1,986	1,963	1,938
Total :	7,710	6,873	5,786	5,720	5,567	5,512	5,459
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	19	17	15	16	15	15	15
Aircraft Parts	39	34	30	30	28	26	26
Ammunition	6	6	5	5	5	5	5
Communication Equipment	124	107	98	99	98	99	99
Missiles	74	68	67	67	67	71	74
Motor Vehicles	6	3	2	2	2	2	2
Shipbuilding	133	154	101	105	121	107	103
Tanks	14	7	5	5	4	4	5
Other Electronic Equipment	11	10	10	10	9	9	9
Other Ordinances	3	2	2	2	2	2	2
Other	2,230	1,963	1,682	1,687	1,636	1,623	1,600
Total :	2,660	2,372	2,018	2,027	1,986	1,963	1,938

Note: numbers may not add due to rounding

**Table 34: Projected Defense Purchases of
135 Primary ferrous metal products**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	50	37	27	25	20	19	18
Indirect Purchases	8,090	7,111	5,677	5,673	5,562	5,375	5,272
Total :	8,139	7,148	5,703	5,698	5,583	5,394	5,291
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	133	121	107	112	106	104	102
Aircraft Parts	376	328	285	288	260	244	241
Ammunition	116	108	99	97	88	88	87
Communication Equipment	389	336	306	305	301	303	300
Missiles	251	229	224	222	222	235	241
Motor Vehicles	230	121	80	74	67	75	77
Shipbuilding	1,253	1,442	944	978	1,120	985	944
Tanks	388	184	132	124	104	119	137
Other Electronic Equipment	96	89	83	82	81	78	76
Other Ordinances	61	52	49	46	44	43	41
Other	4,797	4,100	3,368	3,347	3,170	3,100	3,027
Total :	8,090	7,111	5,676	5,673	5,562	5,375	5,272

Note: numbers may not add due to rounding

**Table 35: Projected Defense Purchases of
201 All other electronic components**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,785	2,621	2,460	2,429	2,415	2,348	2,283
Indirect Purchases	3,606	3,167	2,794	2,796	2,754	2,749	2,723
Total :	6,391	5,787	5,254	5,225	5,169	5,097	5,006
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	14	13	12	12	12	11	11
Aircraft Parts	67	59	51	52	47	44	43
Ammunition	17	16	15	14	13	13	13
Communication Equipment	1,550	1,343	1,229	1,235	1,228	1,245	1,238
Missiles	176	160	160	159	161	172	177
Motor Vehicles	14	8	5	5	4	5	5
Shipbuilding	112	129	84	87	100	88	84
Tanks	18	9	6	6	5	6	6
Other Electronic Equipment	375	353	331	327	324	316	307
Other Ordinances	5	4	4	4	4	4	3
Other	1,257	1,072	897	895	857	847	835
Total :	3,606	3,167	2,794	2,796	2,754	2,749	2,723

Note: numbers may not add due to rounding

**Table 36: Projected Defense Purchases of
301 Legal services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	40	33	24	24	22	22	21
Indirect Purchases	6,729	6,032	5,135	5,118	5,012	4,941	4,873
Total :	6,770	6,065	5,159	5,142	5,034	4,962	4,894
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	110	100	89	94	89	88	86
Aircraft Parts	153	134	116	118	107	101	100
Ammunition	30	28	26	25	23	23	23
Communication Equipment	496	431	394	396	394	400	398
Missiles	331	303	299	297	300	319	328
Motor Vehicles	21	11	7	7	6	7	7
Shipbuilding	292	337	221	230	264	233	224
Tanks	48	23	16	15	13	15	17
Other Electronic Equipment	49	46	43	42	42	41	39
Other Ordinances	12	10	10	9	9	9	8
Other	5,187	4,608	3,913	3,884	3,765	3,706	3,642
Total :	6,729	6,032	5,135	5,118	5,012	4,941	4,873

Note: numbers may not add due to rounding

**Table 37: Projected Defense Purchases of
306 Computer systems design services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,812	4,900	4,140	4,187	4,088	4,105	4,067
Indirect Purchases	943	843	716	714	702	692	682
Total :	6,756	5,743	4,856	4,901	4,790	4,797	4,750
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	11	10	9	10	9	9	9
Aircraft Parts	21	19	16	16	15	14	14
Ammunition	4	4	3	3	3	3	3
Communication Equipment	121	105	96	97	96	98	98
Missiles	35	32	31	31	31	33	34
Motor Vehicles	3	2	1	1	1	1	1
Shipbuilding	52	60	39	41	47	42	40
Tanks	8	4	3	3	2	2	3
Other Electronic Equipment	8	8	7	7	7	7	7
Other Ordinances	2	2	1	1	1	1	1
Other	679	599	508	504	488	481	473
Total :	943	843	716	714	702	692	682

Note: numbers may not add due to rounding

**Table 38: Projected Defense Purchases of
280 Software publishers**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,748	3,100	2,494	2,515	2,402	2,443	2,514
Indirect Purchases	2,837	2,466	2,153	2,159	2,144	2,150	2,138
Total :	6,585	5,566	4,647	4,674	4,546	4,593	4,652
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	2	2	2	2	2	2	2
Aircraft Parts	14	12	11	11	10	9	9
Ammunition	8	7	7	7	6	6	6
Communication Equipment	1,514	1,309	1,194	1,200	1,192	1,204	1,199
Missiles	200	183	180	179	181	193	199
Motor Vehicles	10	5	3	3	3	3	3
Shipbuilding	157	182	120	125	144	127	122
Tanks	3	1	1	1	1	1	1
Other Electronic Equipment	33	31	28	28	27	26	26
Other Ordinances	1	1	1	1	1	1	1
Other	894	733	607	603	578	577	570
Total :	2,837	2,466	2,153	2,159	2,144	2,150	2,138

Note: numbers may not add due to rounding

**Table 39: Projected Defense Purchases of
275 Warehousing and storage**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,394	3,889	3,150	3,042	2,924	2,899	2,868
Indirect Purchases	1,986	1,776	1,484	1,471	1,436	1,418	1,402
Total :	6,380	5,665	4,634	4,513	4,360	4,317	4,269
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	21	19	17	18	17	17	16
Aircraft Parts	55	48	42	43	39	37	36
Ammunition	14	13	12	12	11	11	11
Communication Equipment	174	151	138	139	138	140	140
Missiles	80	74	72	72	72	77	79
Motor Vehicles	7	4	3	2	2	2	2
Shipbuilding	107	124	81	84	97	85	82
Tanks	23	11	8	7	6	7	8
Other Electronic Equipment	22	21	20	19	19	19	18
Other Ordinances	5	4	4	4	4	4	3
Other	1,476	1,307	1,087	1,070	1,031	1,019	1,005
Total :	1,986	1,776	1,484	1,471	1,436	1,418	1,402

Note: numbers may not add due to rounding

**Table 40: Projected Defense Purchases of
305 Custom computer programming services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,334	4,529	3,800	3,798	3,691	3,715	3,661
Indirect Purchases	612	545	480	480	468	467	463
Total :	5,946	5,074	4,280	4,278	4,159	4,182	4,124
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	17	16	14	15	14	14	13
Aircraft Parts	35	31	27	27	25	23	23
Ammunition	33	31	28	28	26	26	25
Communication Equipment	195	170	155	156	156	159	158
Missiles	21	19	19	19	19	21	21
Motor Vehicles	1	1	0	0	0	0	0
Shipbuilding	6	7	4	5	5	5	4
Tanks	3	1	1	1	1	1	1
Other Electronic Equipment	15	14	13	13	13	13	13
Other Ordinances	18	15	15	14	13	13	12
Other	268	240	203	202	196	193	191
Total :	612	545	480	480	468	467	463

Note: numbers may not add due to rounding

**Table 41: Projected Defense Purchases of
300 Lessors of nonfinancial intangible assets**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	5,485	5,006	4,179	4,168	4,137	4,063	4,021
Total :	5,485	5,006	4,179	4,168	4,137	4,063	4,021
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	57	52	46	48	46	45	45
Aircraft Parts	124	109	95	96	88	83	82
Ammunition	23	22	20	20	18	18	18
Communication Equipment	578	504	461	463	462	470	467
Missiles	224	205	202	201	203	216	222
Motor Vehicles	24	13	8	8	7	8	8
Shipbuilding	516	597	392	409	471	416	401
Tanks	62	30	21	20	17	19	22
Other Electronic Equipment	62	58	54	54	53	52	50
Other Ordinances	8	7	6	6	6	6	5
Other	3,807	3,410	2,872	2,843	2,767	2,731	2,700
Total :	5,486	5,006	4,179	4,168	4,137	4,063	4,021

Note: numbers may not add due to rounding

**Table 42: Projected Defense Purchases of
320 Services to buildings and dwellings**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,401	1,082	820	834	782	765	758
Indirect Purchases	4,122	3,702	3,161	3,138	3,076	3,021	2,967
Total :	5,523	4,784	3,980	3,972	3,859	3,786	3,725
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	24	22	19	20	19	19	18
Aircraft Parts	51	45	39	40	36	34	34
Ammunition	17	16	14	14	13	13	13
Communication Equipment	173	150	137	138	137	139	138
Missiles	68	62	61	61	61	65	67
Motor Vehicles	12	6	4	4	3	4	4
Shipbuilding	142	163	107	111	128	113	108
Tanks	24	11	8	8	6	7	8
Other Electronic Equipment	24	22	21	21	20	20	19
Other Ordinances	5	4	4	4	4	3	3
Other	3,583	3,200	2,745	2,718	2,649	2,604	2,554
Total :	4,122	3,702	3,161	3,138	3,077	3,021	2,967

Note: numbers may not add due to rounding

**Table 43: Projected Defense Purchases of
342 Electronic and precision equipment repair and maintenance**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,001	3,647	3,071	3,207	3,082	3,119	3,145
Indirect Purchases	1,062	948	805	800	782	767	755
Total :	5,064	4,595	3,876	4,007	3,864	3,886	3,901
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	7	6	6	6	6	6	5
Aircraft Parts	16	14	12	12	11	11	10
Ammunition	5	4	4	4	4	4	4
Communication Equipment	53	46	42	42	42	42	42
Missiles	23	21	21	20	21	22	23
Motor Vehicles	3	2	1	1	1	1	1
Shipbuilding	37	43	28	29	33	30	28
Tanks	7	3	2	2	2	2	2
Other Electronic Equipment	7	7	6	6	6	6	6
Other Ordinances	2	1	1	1	1	1	1
Other	904	801	682	676	655	644	633
Total :	1,062	948	805	800	782	767	755

Note: numbers may not add due to rounding

**Table 44: Projected Defense Purchases of
317 Facilities support services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,993	4,625	3,438	3,416	3,157	3,064	3,002
Indirect Purchases	538	485	418	416	410	408	405
Total :	6,531	5,109	3,855	3,832	3,567	3,472	3,407
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	8	8	7	7	7	7	7
Aircraft Parts	17	15	13	13	12	11	11
Ammunition	3	2	2	2	2	2	2
Communication Equipment	49	43	39	40	39	40	40
Missiles	75	69	68	68	68	73	75
Motor Vehicles	1	1	0	0	0	0	0
Shipbuilding	28	33	21	22	25	22	22
Tanks	3	1	1	1	1	1	1
Other Electronic Equipment	2	2	2	2	2	2	2
Other Ordinances	1	1	1	1	1	1	1
Other	350	310	262	260	252	249	245
Total :	538	485	418	416	410	408	405

Note: numbers may not add due to rounding

**Table 45: Projected Defense Purchases of
296 Automotive equipment rental and leasing**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,219	1,985	1,669	1,636	1,589	1,576	1,565
Indirect Purchases	2,881	2,565	2,165	2,158	2,107	2,073	2,045
Total :	5,100	4,550	3,834	3,794	3,696	3,649	3,610
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	27	24	22	23	21	21	21
Aircraft Parts	72	63	55	56	51	48	47
Ammunition	17	16	15	14	13	13	13
Communication Equipment	231	200	183	184	183	186	185
Missiles	92	84	83	83	83	89	91
Motor Vehicles	14	7	5	5	4	5	5
Shipbuilding	137	158	104	108	124	109	105
Tanks	28	13	10	9	8	9	10
Other Electronic Equipment	33	31	29	29	28	28	27
Other Ordinances	6	5	5	5	4	4	4
Other	2,223	1,961	1,655	1,644	1,587	1,563	1,538
Total :	2,881	2,565	2,165	2,158	2,107	2,073	2,045

Note: numbers may not add due to rounding

**Table 46: Projected Defense Purchases of
351 Postal service**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,309	1,882	1,588	1,581	1,525	1,509	1,504
Indirect Purchases	2,906	2,584	2,162	2,142	2,078	2,054	2,028
Total :	5,215	4,465	3,750	3,722	3,603	3,562	3,531
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	10	9	8	8	8	8	8
Aircraft Parts	28	25	21	22	20	19	18
Ammunition	5	5	4	4	4	4	4
Communication Equipment	78	68	62	62	62	63	62
Missiles	35	32	31	31	31	33	34
Motor Vehicles	5	3	2	2	2	2	2
Shipbuilding	51	58	38	40	45	40	38
Tanks	11	5	4	3	3	3	4
Other Electronic Equipment	10	9	9	9	8	8	8
Other Ordinances	2	2	2	1	1	1	1
Other	2,672	2,368	1,981	1,959	1,893	1,873	1,848
Total :	2,907	2,584	2,162	2,142	2,078	2,054	2,028

Note: numbers may not add due to rounding

**Table 47: Projected Defense Purchases of
324 Waste management and remediation services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,841	2,823	1,924	1,884	1,679	1,612	1,565
Indirect Purchases	2,134	1,843	1,494	1,481	1,429	1,399	1,375
Total :	5,974	4,666	3,418	3,365	3,107	3,011	2,940
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	10	9	8	8	8	8	8
Aircraft Parts	24	21	18	19	17	16	16
Ammunition	10	10	9	9	8	8	8
Communication Equipment	55	48	44	44	44	45	44
Missiles	26	24	23	23	23	25	25
Motor Vehicles	6	3	2	2	2	2	2
Shipbuilding	80	92	60	63	72	64	61
Tanks	11	5	4	3	3	3	4
Other Electronic Equipment	10	9	8	8	8	8	8
Other Ordinances	3	2	2	2	2	2	2
Other	1,900	1,620	1,315	1,300	1,242	1,219	1,198
Total :	2,134	1,843	1,494	1,481	1,429	1,399	1,375

Note: numbers may not add due to rounding

**Table 48: Projected Defense Purchases of
302 Accounting, tax preparation, bookkeeping, and payroll services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	322	288	238	242	232	230	227
Indirect Purchases	4,162	3,698	3,109	3,095	3,021	2,971	2,931
Total :	4,485	3,985	3,347	3,337	3,254	3,201	3,158
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	36	33	29	31	29	29	28
Aircraft Parts	72	63	55	55	50	47	47
Ammunition	15	14	13	13	12	12	12
Communication Equipment	254	221	202	203	202	205	203
Missiles	111	101	100	99	100	107	110
Motor Vehicles	14	7	5	4	4	4	5
Shipbuilding	184	212	139	145	166	147	141
Tanks	37	18	13	12	10	11	13
Other Electronic Equipment	29	27	25	25	25	24	23
Other Ordinances	6	5	5	4	4	4	4
Other	3,405	2,997	2,524	2,504	2,420	2,382	2,345
Total :	4,162	3,698	3,109	3,095	3,021	2,971	2,931

Note: numbers may not add due to rounding

**Table 49: Projected Defense Purchases of
152 Ammunition**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,722	3,473	3,183	3,141	2,854	2,863	2,853
Indirect Purchases	21	20	19	18	17	17	17
Total :	3,743	3,493	3,202	3,159	2,871	2,880	2,871
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	19	18	17	17	16	16	16
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0
Total :	21	20	19	18	17	17	17

Note: numbers may not add due to rounding

**Table 50: Projected Defense Purchases of
92 Printing**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,659	2,213	1,970	1,914	1,879	1,887	1,895
Indirect Purchases	1,529	1,359	1,152	1,147	1,117	1,103	1,089
Total :	4,188	3,572	3,123	3,061	2,996	2,991	2,984
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	9	8	7	8	7	7	7
Aircraft Parts	20	17	15	15	14	13	13
Ammunition	4	4	3	3	3	3	3
Communication Equipment	76	66	60	61	60	61	61
Missiles	41	37	37	37	37	39	40
Motor Vehicles	4	2	1	1	1	1	1
Shipbuilding	40	47	31	32	36	32	31
Tanks	8	4	3	3	2	2	3
Other Electronic Equipment	8	8	7	7	7	7	7
Other Ordinances	2	2	1	1	1	1	1
Other	1,317	1,165	986	979	948	936	922
Total :	1,529	1,359	1,152	1,147	1,117	1,103	1,089

Note: numbers may not add due to rounding

**Table 51: Projected Defense Purchases of
239 Propulsion units and parts for space vehicles and guided missiles**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,832	1,712	1,553	1,536	1,576	1,658	1,683
Indirect Purchases	1,715	1,567	1,528	1,517	1,530	1,622	1,665
Total :	3,546	3,279	3,081	3,054	3,106	3,279	3,347
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	11	10	8	9	8	7	7
Ammunition	5	5	5	5	4	4	4
Communication Equipment	51	44	41	41	41	42	42
Missiles	1,592	1,461	1,434	1,423	1,438	1,530	1,574
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	1	1	1	1	1	1	1
Tanks	6	3	2	2	2	2	2
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	6	5	5	4	4	4	4
Other	43	38	33	33	32	31	31
Total :	1,715	1,567	1,528	1,517	1,530	1,622	1,665

Note: numbers may not add due to rounding

**Table 52: Projected Defense Purchases of
266 Retail trade**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,122	2,053	1,801	1,819	1,776	1,759	1,726
Indirect Purchases	1,791	1,545	1,263	1,254	1,204	1,184	1,162
Total :	3,913	3,598	3,065	3,073	2,980	2,944	2,888
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	4	3	3	3	3	3	3
Aircraft Parts	12	10	9	9	8	8	8
Ammunition	7	7	6	6	6	6	6
Communication Equipment	40	35	31	32	31	32	31
Missiles	12	11	11	11	11	11	12
Motor Vehicles	22	11	7	7	6	7	7
Shipbuilding	27	32	21	21	24	21	20
Tanks	4	2	1	1	1	1	2
Other Electronic Equipment	8	7	7	7	7	6	6
Other Ordinances	1	1	1	1	1	1	1
Other	1,654	1,426	1,166	1,157	1,106	1,088	1,067
Total :	1,791	1,545	1,263	1,254	1,204	1,184	1,162

Note: numbers may not add due to rounding

**Table 53: Projected Defense Purchases of
75 Apparel accessories and other apparel**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,169	3,351	2,866	2,725	2,682	2,678	2,659
Indirect Purchases	213	226	194	185	183	183	182
Total :	3,382	3,577	3,060	2,911	2,865	2,861	2,841
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	0	0	0	0	0	0	0
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	212	225	194	185	183	183	181
Total :	213	226	194	185	183	183	182

Note: numbers may not add due to rounding

**Table 54: Projected Defense Purchases of
200 Semiconductors and electron tubes**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	93	83	72	70	66	65	64
Indirect Purchases	3,676	3,233	2,854	2,859	2,818	2,819	2,798
Total :	3,769	3,316	2,926	2,929	2,885	2,883	2,862
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	25	23	21	22	21	20	20
Aircraft Parts	78	68	60	60	55	52	51
Ammunition	20	18	17	17	15	15	15
Communication Equipment	1,359	1,177	1,077	1,083	1,077	1,091	1,084
Missiles	332	303	301	300	303	323	332
Motor Vehicles	16	9	6	5	5	5	6
Shipbuilding	129	149	97	101	116	102	98
Tanks	22	10	8	7	6	7	8
Other Electronic Equipment	363	340	319	318	315	309	301
Other Ordinances	7	6	5	5	5	5	5
Other	1,325	1,129	943	941	902	891	879
Total :	3,676	3,233	2,854	2,859	2,818	2,819	2,798

Note: numbers may not add due to rounding

**Table 55: Projected Defense Purchases of
268 Rail transportation**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,084	1,854	1,509	1,460	1,410	1,399	1,385
Indirect Purchases	1,675	1,469	1,215	1,203	1,164	1,142	1,124
Total :	3,759	3,323	2,724	2,663	2,574	2,541	2,508
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	13	12	11	11	11	11	10
Aircraft Parts	64	56	49	49	45	42	42
Ammunition	14	13	12	11	10	10	10
Communication Equipment	57	49	45	45	45	45	45
Missiles	29	27	26	26	26	28	28
Motor Vehicles	17	9	6	5	5	5	6
Shipbuilding	81	94	61	63	72	64	61
Tanks	25	12	9	8	7	8	9
Other Electronic Equipment	14	13	12	12	11	11	11
Other Ordinances	5	4	4	4	3	3	3
Other	1,356	1,181	982	969	929	915	899
Total :	1,675	1,469	1,215	1,203	1,164	1,142	1,124

Note: numbers may not add due to rounding

**Table 56: Projected Defense Purchases of
274 Couriers and messengers**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	140	133	115	117	114	113	111
Indirect Purchases	3,501	3,115	2,593	2,562	2,483	2,455	2,425
Total :	3,641	3,247	2,708	2,679	2,598	2,568	2,536
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	12	11	10	10	10	10	9
Aircraft Parts	37	32	28	28	26	24	24
Ammunition	7	6	6	6	5	5	5
Communication Equipment	90	78	72	72	72	72	72
Missiles	40	37	36	36	36	38	39
Motor Vehicles	7	4	2	2	2	2	2
Shipbuilding	60	69	45	47	54	48	46
Tanks	13	6	5	4	4	4	5
Other Electronic Equipment	13	13	12	12	11	11	11
Other Ordinances	3	2	2	2	2	2	2
Other	3,219	2,856	2,376	2,343	2,262	2,238	2,210
Total :	3,501	3,115	2,593	2,562	2,483	2,455	2,425

Note: numbers may not add due to rounding

**Table 57: Projected Defense Purchases of
286 Data processing, hosting and internet service providers**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	365	301	235	237	224	220	216
Indirect Purchases	3,262	2,925	2,462	2,455	2,417	2,371	2,337
Total :	3,627	3,226	2,697	2,692	2,641	2,591	2,553
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	36	33	29	31	29	29	28
Aircraft Parts	74	65	56	57	52	49	48
Ammunition	15	14	12	12	11	11	11
Communication Equipment	323	281	257	258	258	262	260
Missiles	105	96	95	94	95	101	104
Motor Vehicles	11	6	4	4	3	4	4
Shipbuilding	241	278	183	190	219	193	186
Tanks	30	14	10	10	8	9	11
Other Electronic Equipment	27	25	23	23	23	22	21
Other Ordinances	6	6	5	5	5	5	4
Other	2,394	2,107	1,786	1,771	1,714	1,685	1,658
Total :	3,262	2,925	2,462	2,455	2,417	2,371	2,337

Note: numbers may not add due to rounding

**Table 58: Projected Defense Purchases of
234 Motor vehicle parts**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	405	257	184	167	140	148	150
Indirect Purchases	3,951	3,116	2,490	2,426	2,368	2,393	2,376
Total :	4,355	3,374	2,674	2,593	2,508	2,541	2,526
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	19	17	15	16	15	15	15
Aircraft Parts	45	39	34	35	31	30	29
Ammunition	6	6	5	5	5	5	5
Communication Equipment	142	124	113	114	113	114	113
Missiles	40	37	36	36	36	39	40
Motor Vehicles	211	110	73	67	62	70	72
Shipbuilding	145	166	108	111	125	109	103
Tanks	12	6	4	4	3	4	4
Other Electronic Equipment	26	25	23	23	22	22	22
Other Ordinances	3	3	3	2	2	2	2
Other	3,300	2,585	2,076	2,013	1,952	1,984	1,971
Total :	3,951	3,117	2,490	2,426	2,368	2,393	2,376

Note: numbers may not add due to rounding

**Table 59: Projected Defense Purchases of
321 Other support services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,550	1,309	1,066	1,077	1,033	1,016	1,000
Indirect Purchases	2,048	1,837	1,577	1,571	1,543	1,531	1,521
Total :	3,598	3,146	2,643	2,648	2,576	2,548	2,521
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	25	23	20	21	20	20	19
Aircraft Parts	52	46	40	40	37	35	34
Ammunition	8	8	7	7	6	6	6
Communication Equipment	170	148	136	136	136	138	137
Missiles	214	196	193	192	194	206	212
Motor Vehicles	5	3	2	2	1	2	2
Shipbuilding	99	115	75	78	90	79	76
Tanks	13	6	4	4	4	4	5
Other Electronic Equipment	10	9	9	8	8	8	8
Other Ordinances	4	4	3	3	3	3	3
Other	1,448	1,281	1,088	1,079	1,045	1,031	1,019
Total :	2,048	1,837	1,577	1,571	1,543	1,531	1,521

Note: numbers may not add due to rounding

**Table 60: Projected Defense Purchases of
292 Insurance agencies, brokerages, and related activities**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	21	17	12	12	11	10	10
Indirect Purchases	3,094	2,926	2,503	2,457	2,409	2,383	2,350
Total :	3,115	2,943	2,515	2,469	2,420	2,393	2,360
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	9	8	7	8	7	7	7
Aircraft Parts	22	19	17	17	15	14	14
Ammunition	4	4	4	4	3	3	3
Communication Equipment	65	56	51	51	51	51	51
Missiles	33	30	30	29	29	31	32
Motor Vehicles	4	2	1	1	1	1	1
Shipbuilding	49	56	37	38	44	38	37
Tanks	9	4	3	3	2	3	3
Other Electronic Equipment	8	8	7	7	7	7	6
Other Ordinances	2	1	1	1	1	1	1
Other	2,889	2,737	2,345	2,299	2,248	2,226	2,194
Total :	3,094	2,926	2,503	2,458	2,409	2,383	2,350

Note: numbers may not add due to rounding

**Table 61: Projected Defense Purchases of
309 Environmental and other technical consulting services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,070	1,667	1,308	1,311	1,238	1,210	1,188
Indirect Purchases	1,518	1,366	1,156	1,152	1,133	1,110	1,095
Total :	3,589	3,033	2,464	2,463	2,371	2,320	2,283
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	21	19	17	18	17	17	17
Aircraft Parts	18	16	14	14	13	12	12
Ammunition	4	4	4	4	3	3	3
Communication Equipment	73	63	58	58	58	58	58
Missiles	38	35	35	34	35	37	38
Motor Vehicles	3	2	1	1	1	1	1
Shipbuilding	93	107	70	73	84	74	72
Tanks	11	5	4	3	3	3	4
Other Electronic Equipment	7	7	6	6	6	6	6
Other Ordinances	2	2	1	1	1	1	1
Other	1,249	1,106	946	939	912	897	883
Total :	1,518	1,366	1,156	1,152	1,133	1,110	1,095

Note: numbers may not add due to rounding

**Table 62: Projected Defense Purchases of
29 Natural gas distribution**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	892	718	595	593	569	562	560
Indirect Purchases	2,461	2,197	1,837	1,814	1,756	1,730	1,705
Total :	3,353	2,915	2,432	2,407	2,326	2,292	2,264
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	24	22	20	20	19	19	19
Aircraft Parts	68	60	52	53	48	45	44
Ammunition	33	30	28	27	25	25	25
Communication Equipment	103	90	82	82	81	82	82
Missiles	51	47	46	46	46	49	50
Motor Vehicles	16	8	6	5	5	5	5
Shipbuilding	96	111	73	75	86	76	72
Tanks	28	13	10	9	8	9	10
Other Electronic Equipment	19	18	16	16	16	16	15
Other Ordinances	7	6	6	5	5	5	5
Other	2,016	1,792	1,500	1,475	1,418	1,400	1,378
Total :	2,461	2,197	1,837	1,814	1,756	1,730	1,705

Note: numbers may not add due to rounding

**Table 63: Projected Defense Purchases of
299 Commercial and industrial machinery and equipment rental and leasing**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	386	341	276	282	269	268	267
Indirect Purchases	2,850	2,541	2,134	2,126	2,062	2,029	1,996
Total :	3,236	2,882	2,410	2,409	2,331	2,297	2,263
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	13	12	11	11	10	10	10
Aircraft Parts	38	33	29	29	27	25	25
Ammunition	9	8	7	7	7	7	7
Communication Equipment	104	90	83	83	82	84	83
Missiles	42	39	38	38	38	41	42
Motor Vehicles	8	4	3	2	2	2	3
Shipbuilding	68	78	51	53	61	54	52
Tanks	14	7	5	5	4	4	5
Other Electronic Equipment	15	14	13	13	13	13	12
Other Ordinances	3	3	2	2	2	2	2
Other	2,536	2,253	1,892	1,882	1,816	1,787	1,756
Total :	2,850	2,541	2,134	2,126	2,062	2,029	1,996

Note: numbers may not add due to rounding

**Table 64: Projected Defense Purchases of
318 Business support services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	267	207	158	155	144	141	141
Indirect Purchases	2,924	2,639	2,250	2,245	2,213	2,187	2,165
Total :	3,191	2,847	2,408	2,399	2,357	2,328	2,306
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	49	45	40	42	40	39	38
Aircraft Parts	84	73	64	65	59	55	55
Ammunition	14	13	12	12	11	11	10
Communication Equipment	247	215	197	198	197	200	199
Missiles	308	282	279	277	279	297	306
Motor Vehicles	8	4	3	3	2	3	3
Shipbuilding	207	239	157	163	187	165	159
Tanks	24	11	8	8	6	7	8
Other Electronic Equipment	18	17	16	15	15	15	14
Other Ordinances	7	6	5	5	5	5	5
Other	1,959	1,734	1,470	1,458	1,412	1,389	1,367
Total :	2,924	2,639	2,250	2,245	2,213	2,187	2,165

Note: numbers may not add due to rounding

**Table 65: Projected Defense Purchases of
119 Other plastics products**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	70	62	51	51	48	47	46
Indirect Purchases	3,128	2,777	2,325	2,333	2,266	2,216	2,182
Total :	3,197	2,839	2,377	2,384	2,313	2,263	2,228
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	19	17	15	16	15	15	15
Aircraft Parts	313	274	239	242	220	208	206
Ammunition	28	26	24	24	22	22	22
Communication Equipment	231	199	181	182	180	182	181
Missiles	76	70	69	68	69	73	75
Motor Vehicles	21	12	8	7	6	7	7
Shipbuilding	210	242	159	165	190	168	161
Tanks	43	21	15	14	12	14	16
Other Electronic Equipment	31	29	27	27	27	26	25
Other Ordinances	9	8	7	7	7	7	6
Other	2,146	1,880	1,581	1,581	1,519	1,496	1,467
Total :	3,128	2,777	2,325	2,333	2,266	2,216	2,182

Note: numbers may not add due to rounding

**Table 66: Projected Defense Purchases of
304 Specialized design services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	67	53	41	40	37	36	35
Indirect Purchases	2,958	2,678	2,334	2,330	2,304	2,300	2,294
Total :	3,025	2,731	2,375	2,370	2,341	2,335	2,330
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	61	55	49	51	49	48	47
Aircraft Parts	122	107	93	94	86	81	80
Ammunition	18	16	15	15	13	14	13
Communication Equipment	336	293	269	270	270	274	272
Missiles	572	524	517	514	518	552	568
Motor Vehicles	8	4	3	3	2	3	3
Shipbuilding	201	231	152	157	181	159	153
Tanks	20	9	7	6	5	6	7
Other Electronic Equipment	16	15	14	13	13	13	12
Other Ordinances	10	8	8	7	7	7	7
Other	1,596	1,415	1,209	1,198	1,160	1,144	1,131
Total :	2,958	2,678	2,334	2,330	2,304	2,300	2,294

Note: numbers may not add due to rounding

**Table 67: Projected Defense Purchases of
326 Junior colleges, colleges, universities, and professional schools**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,153	2,778	2,271	2,254	2,184	2,089	2,006
Indirect Purchases	128	113	97	98	96	95	93
Total :	3,281	2,891	2,368	2,352	2,279	2,184	2,099
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	1	1	1	1	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	2	2	2	2	2	2	2
Missiles	1	1	1	1	1	1	1
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	2	2	1	1	1	1	1
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	121	107	92	93	90	90	88
Total :	128	113	97	98	96	95	93

Note: numbers may not add due to rounding

**Table 68: Projected Defense Purchases of
242 Boat building**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,958	2,580	2,306	2,319	2,345	2,513	2,520
Indirect Purchases	57	59	45	45	49	47	46
Total :	3,016	2,640	2,351	2,365	2,394	2,560	2,566
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	0	0	0	0	0	0	0
Ammunition	0	0	0	0	0	0	0
Communication Equipment	0	0	0	0	0	0	0
Missiles	0	0	0	0	0	0	0
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	30	35	23	24	28	25	24
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	0	0	0	0	0	0	0
Other Ordinances	0	0	0	0	0	0	0
Other	27	24	21	21	21	23	22
Total :	57	59	45	45	49	47	46

Note: numbers may not add due to rounding

Table 69: Projected Defense Purchases of**74 Cut and sew apparel**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,185	2,347	2,036	1,948	1,908	1,908	1,896
Indirect Purchases	348	339	289	281	275	273	270
Total :	2,533	2,686	2,326	2,229	2,182	2,181	2,166
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	1	1	0	1	0	0	0
Aircraft Parts	1	1	1	1	1	1	1
Ammunition	0	0	0	0	0	0	0
Communication Equipment	6	5	5	5	5	5	5
Missiles	2	2	2	2	2	2	2
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	4	4	3	3	3	3	3
Tanks	1	0	0	0	0	0	0
Other Electronic Equipment	1	1	1	1	1	1	1
Other Ordinances	0	0	0	0	0	0	0
Other	332	323	277	268	262	260	257
Total :	348	339	289	281	275	273	270

Note: numbers may not add due to rounding

**Table 70: Projected Defense Purchases of
102 Plastics materials and resins**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	49	42	34	34	32	32	32
Indirect Purchases	3,083	2,747	2,273	2,257	2,190	2,145	2,103
Total :	3,131	2,789	2,307	2,291	2,222	2,177	2,135
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	12	11	9	10	9	9	9
Aircraft Parts	92	81	70	71	64	60	59
Ammunition	66	62	56	56	50	51	50
Communication Equipment	190	164	149	148	146	147	145
Missiles	50	46	45	45	45	47	48
Motor Vehicles	26	15	10	9	8	9	9
Shipbuilding	275	317	207	214	245	214	205
Tanks	75	35	26	24	20	23	27
Other Electronic Equipment	63	59	55	55	54	52	50
Other Ordinances	6	6	5	5	5	5	4
Other	2,227	1,952	1,640	1,621	1,544	1,528	1,497
Total :	3,083	2,747	2,273	2,257	2,190	2,145	2,103

Note: numbers may not add due to rounding

**Table 71: Projected Defense Purchases of
289 Nondepository credit intermediation and related activities**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16	14	12	12	11	11	11
Indirect Purchases	2,962	2,651	2,218	2,202	2,153	2,117	2,089
Total :	2,978	2,665	2,230	2,214	2,165	2,129	2,100
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	25	23	20	21	20	20	19
Aircraft Parts	59	52	45	46	42	39	39
Ammunition	12	11	10	10	9	9	9
Communication Equipment	158	137	125	126	125	127	126
Missiles	85	78	77	76	77	82	84
Motor Vehicles	12	6	4	4	3	4	4
Shipbuilding	165	190	125	130	149	132	127
Tanks	26	12	9	8	7	8	9
Other Electronic Equipment	20	19	18	17	17	17	16
Other Ordinances	4	4	4	3	3	3	3
Other	2,397	2,120	1,782	1,761	1,701	1,677	1,653
Total :	2,962	2,651	2,218	2,202	2,154	2,117	2,089

Note: numbers may not add due to rounding

**Table 72: Projected Defense Purchases of
343 Commercial and industrial machinery and equipment repair and maintenance**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	992	880	755	753	734	719	704
Indirect Purchases	1,863	1,653	1,380	1,374	1,336	1,308	1,285
Total :	2,855	2,534	2,136	2,127	2,071	2,027	1,990
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	17	15	14	14	13	13	13
Aircraft Parts	34	30	26	27	24	23	22
Ammunition	13	12	11	11	10	10	10
Communication Equipment	111	97	88	89	88	89	89
Missiles	40	37	36	36	36	39	40
Motor Vehicles	9	5	3	3	3	3	3
Shipbuilding	92	107	70	73	83	73	71
Tanks	17	8	6	5	5	5	6
Other Electronic Equipment	17	16	15	15	15	14	14
Other Ordinances	4	3	3	3	3	3	2
Other	1,508	1,324	1,108	1,099	1,057	1,036	1,016
Total :	1,863	1,653	1,380	1,374	1,336	1,308	1,285

Note: numbers may not add due to rounding

**Table 73: Projected Defense Purchases of
316 Office administrative services**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	532	414	311	313	291	286	282
Indirect Purchases	2,308	2,058	1,738	1,730	1,691	1,663	1,640
Total :	2,840	2,472	2,049	2,043	1,982	1,948	1,922
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	18	17	15	16	15	15	14
Aircraft Parts	22	20	17	17	16	15	15
Ammunition	5	4	4	4	4	4	4
Communication Equipment	91	79	72	72	72	73	72
Missiles	44	41	40	40	40	43	44
Motor Vehicles	4	2	1	1	1	1	1
Shipbuilding	89	102	67	70	81	71	69
Tanks	10	5	4	3	3	3	4
Other Electronic Equipment	8	8	7	7	7	7	7
Other Ordinances	2	2	2	2	1	1	1
Other	2,014	1,779	1,509	1,497	1,452	1,430	1,409
Total :	2,308	2,058	1,738	1,730	1,691	1,663	1,640

Note: numbers may not add due to rounding

**Table 74: Projected Defense Purchases of
147 Plate work and fabricated structural products**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	250	213	159	159	142	132	124
Indirect Purchases	2,490	2,259	1,848	1,838	1,787	1,723	1,688
Total :	2,740	2,472	2,008	1,997	1,929	1,854	1,811
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	14	13	11	12	11	11	11
Aircraft Parts	266	233	203	206	187	176	175
Ammunition	17	16	14	14	13	13	13
Communication Equipment	37	32	29	29	29	29	29
Missiles	124	113	112	111	112	119	123
Motor Vehicles	16	9	6	6	5	5	6
Shipbuilding	242	279	183	191	220	194	187
Tanks	22	11	8	7	6	7	8
Other Electronic Equipment	8	8	7	7	7	7	7
Other Ordinances	7	6	5	5	5	5	4
Other	1,738	1,540	1,268	1,250	1,193	1,156	1,126
Total :	2,490	2,259	1,848	1,838	1,787	1,723	1,688

Note: numbers may not add due to rounding

**Table 75: Projected Defense Purchases of
107 Pharmaceuticals and medicines**

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,053	916	727	641	485	463	448
Indirect Purchases	1,466	1,365	1,171	1,164	1,113	1,095	1,071
Total :	2,519	2,280	1,898	1,805	1,598	1,558	1,519
INDIRECT DEFENSE PURCHASES BY PURCHASING SECTOR							
Aircraft Engines	0	0	0	0	0	0	0
Aircraft Parts	1	1	1	1	1	1	1
Ammunition	0	0	0	0	0	0	0
Communication Equipment	4	3	3	3	3	3	3
Missiles	1	1	1	1	1	1	1
Motor Vehicles	0	0	0	0	0	0	0
Shipbuilding	2	2	1	2	2	2	1
Tanks	0	0	0	0	0	0	0
Other Electronic Equipment	1	1	0	0	0	0	0
Other Ordinances	6	5	5	5	5	4	4
Other	1,450	1,351	1,158	1,151	1,101	1,083	1,060
Total :	1,466	1,365	1,171	1,164	1,113	1,095	1,071

Note: numbers may not add due to rounding

SECTION III: INDIVIDUAL STATE PROJECTIONS (RDEPPS)

The tables in this section give state-level estimates of defense and defense-related expenditures in calendar years 2012 through 2018. A separate table is provided for each of the 50 states and the District of Columbia; an additional table is provided for the United States as a whole. The tables are divided into two sections. The first section of each table presents estimates of direct defense purchases and pay and of indirect defense purchases for each year of the projection period (for purposes of comparison, projections of nondefense expenditures and of total output—total economic activity—also are provided). The second section provides estimates of the dollar value of direct and indirect purchases from the five industrial sectors projected to lead in defense sales in the state, and the five projected to lead in indirect sales stemming from DoD purchases, during the forecast period.

The industrial *sectors* represented in the tables are aggregates of the *industries* covered in Section II. Industrial projections are made for 360 industries. For purposes of the state-level reports, these are grouped into 111 industrial sectors. For example, industrial sector 54, “Aerospace products and parts,” used in the state tables, includes five industries: industry 235, “Aircraft”; industry 236, “Aircraft engines and engine parts”; industry 237, “Other aircraft parts and auxiliary equipment”; industry 238, “Guided Missiles and Space Vehicles”; and industry 239, “Propulsion units and parts for space vehicles and guided missiles.”

Relationship of the *RDEPPS* State Level Projections to the *IDEPPS* National Projections

IDEPPS’ treatment of defense expenditures differs from that of *RDEPPS* in several important ways, due to differences in the conceptual rationale for each module. *IDEPPS* is designed to investigate economy-wide effects of the defense budget, by simultaneously determining domestic production, imports, and indirect purchases by industry. *RDEPPS* is designed to investigate domestic effects of expenditures by state, including military retirement disbursements. Therefore, *RDEPPS* includes *only* that part of active duty and retirement pay spent domestically, making an explicit adjustment for pay that is sent abroad. Retirement pay is treated on a disbursement basis in *RDEPPS*, whereas it is treated on an accrual basis in *IDEPPS*. The *RDEPPS* measure of total direct defense expenditures is made smaller by the removal of pay sent abroad, but is made larger by the fact that retirement disbursements currently exceed accruals. The net effect is that *RDEPPS* projections of total direct spending are *larger* than the comparable *IDEPPS* projections.

Table 1: Alabama Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	18,083	17,261	15,158	15,191	15,116	14,718	14,422
Indirect Defense Purchases Resulting from Direct Purchases	8,489	7,674	6,559	6,499	6,380	6,237	6,108
Induced Defense Purchases Resulting from Direct Pay	2,693	2,868	2,774	2,803	2,794	2,769	2,737
Total Nondefense Expenditures	445,836	457,286	468,983	478,837	488,428	497,755	506,225
Total Output	475,807	485,777	494,107	503,969	513,351	522,109	530,119
General government industry	4,528	4,928	4,954	5,053	5,060	5,030	4,974
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	5,843	5,267	4,581	4,542	4,457	4,324	4,212
Ship and boat building	1,592	1,791	1,213	1,260	1,437	1,299	1,261
Administrative and support services	754	634	521	510	489	469	452
Transportation support, sightseeing, couriers	575	523	465	440	427	401	380
Computer systems design and related services	533	458	381	385	372	373	370
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	2,532	2,268	1,905	1,903	1,863	1,816	1,775
Administrative and support services	1,610	1,543	1,418	1,379	1,387	1,344	1,303
Iron and steel	282	247	197	196	191	185	181
Fabricated metal products	243	212	174	174	168	164	161
Wholesale trade	217	192	161	161	157	155	153

Note: Numbers may not add to totals due to roundings.

Table 2: Alaska Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	5,243	4,905	4,327	4,320	4,238	4,201	4,162
Indirect Defense Purchases Resulting from Direct Purchases	2,334	2,102	1,755	1,749	1,714	1,693	1,679
Induced Defense Purchases Resulting from Direct Pay	1,189	1,264	1,223	1,237	1,236	1,225	1,212
Total Nondefense Expenditures	143,825	149,183	153,918	158,041	162,431	166,144	169,685
Total Output	153,285	158,140	161,853	165,980	170,248	173,890	177,363
General government industry	2,850	2,884	2,713	2,713	2,718	2,716	2,705
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Maintenance and repair construction	411	325	246	247	231	226	224
Administrative and support services	351	273	204	205	191	187	184
Professional, scientific and technical services	213	187	155	154	148	144	141
Air transportation	177	162	138	137	134	132	131
New construction	178	166	133	130	118	104	94
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	749	663	555	555	541	535	530
Crude oil extraction	544	518	432	431	434	431	433
Pipeline transportation	147	129	107	105	101	100	98
Petroleum and coal products	88	79	66	64	62	61	60
Professional, scientific and technical services	92	80	64	65	62	60	59

Note: Numbers may not add to totals due to roundings.

Table 3: Arizona Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	19,739	18,224	16,410	16,492	16,177	16,146	16,009
Indirect Defense Purchases Resulting from Direct Purchases	6,804	6,087	5,214	5,191	5,086	5,026	4,966
Induced Defense Purchases Resulting from Direct Pay	2,257	2,404	2,325	2,351	2,344	2,324	2,297
Total Nondefense Expenditures	522,695	534,682	555,329	569,539	583,293	596,668	609,042
Total Output	551,640	561,635	579,394	593,696	607,059	620,292	632,435
General government industry	3,698	3,817	3,741	3,782	3,805	3,813	3,794
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	3,661	3,243	2,951	3,029	2,927	2,981	2,988
Offices of physicians, dentists, and other health practioners	3,540	3,360	2,921	2,962	2,902	2,873	2,819
Professional, scientific and technical services	3,371	3,083	2,818	2,766	2,745	2,707	2,678
Fabricated metal products	481	435	401	398	369	371	369
Search, detection and navigation equipment	403	353	330	334	336	348	349
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,461	1,327	1,172	1,159	1,147	1,137	1,128
Legal services	449	402	342	341	333	329	324
Real estate	336	300	254	253	246	243	239
Management of companies and enterprices	310	275	235	234	229	227	225
Wholesale trade	311	275	231	230	225	222	219

Note: Numbers may not add to totals due to roundings.

Table 4: Arkansas Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	3,867	3,674	3,299	3,294	3,222	3,198	3,160
Indirect Defense Purchases Resulting from Direct Purchases	2,618	2,326	1,945	1,935	1,882	1,848	1,817
Induced Defense Purchases Resulting from Direct Pay	1,078	1,150	1,110	1,119	1,113	1,102	1,088
Total Nondefense Expenditures	212,274	218,403	225,322	230,717	235,706	240,621	245,166
Total Output	219,889	225,605	231,708	237,097	241,958	246,799	251,261
General government industry	1,419	1,467	1,442	1,458	1,468	1,471	1,463
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Offices of physicians, dentists, and other health practioners	462	439	381	387	379	375	368
Truck transportation	342	304	247	239	231	229	227
Petroleum and coal products	305	270	221	211	198	197	195
Fabricated metal products	226	205	189	187	173	175	174
New construction	170	157	127	123	113	101	93
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	292	260	222	221	216	214	212
Fabricated metal products	216	188	155	154	149	146	143
Iron and steel	173	151	121	120	118	113	111
Wholesale trade	149	132	111	110	108	106	105
Nonferrous metals	132	114	97	98	94	94	93

Note: Numbers may not add to totals due to roundings.

Table 5: California Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	73,783	69,249	61,750	61,913	61,140	60,272	59,368
Indirect Defense Purchases Resulting from Direct Purchases	43,720	39,113	33,175	33,010	32,264	31,730	31,234
Induced Defense Purchases Resulting from Direct Pay	14,257	15,180	14,659	14,795	14,718	14,580	14,399
Total Nondefense Expenditures	3,614,309	3,714,182	3,826,743	3,921,859	4,009,057	4,092,011	4,165,383
Total Output	3,745,111	3,836,146	3,935,922	4,031,109	4,116,414	4,198,068	4,269,922
General government industry	15,768	16,707	16,515	16,755	16,802	16,755	16,614
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	14,466	13,364	12,023	11,856	11,755	11,376	11,053
Aerospace products and parts	9,318	8,409	7,715	7,918	7,700	7,827	7,821
Communications and audio-video equipment	3,674	3,412	3,105	3,102	3,116	3,014	2,918
Offices of physicians, dentists, and other health practioners	3,075	2,919	2,537	2,573	2,521	2,496	2,448
Ship and boat building	2,459	2,759	1,875	1,947	2,215	2,006	1,947
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	6,270	5,754	5,000	4,967	4,914	4,777	4,658
Management of companies and enterprices	3,571	3,170	2,712	2,701	2,640	2,617	2,594
Real estate	2,896	2,584	2,189	2,176	2,122	2,091	2,061
Petroleum and coal products	2,551	2,272	1,891	1,862	1,793	1,765	1,737
Wholesale trade	2,272	2,012	1,690	1,684	1,645	1,621	1,599

Note: Numbers may not add to totals due to roundings.

Table 6: Colorado Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	16,437	15,073	13,538	13,550	13,297	13,180	13,052
Indirect Defense Purchases Resulting from Direct Purchases	6,846	6,157	5,246	5,219	5,122	5,041	4,969
Induced Defense Purchases Resulting from Direct Pay	2,888	3,077	2,980	3,014	3,009	2,986	2,955
Total Nondefense Expenditures	441,021	454,360	468,886	480,740	492,002	502,403	511,630
Total Output	467,310	478,782	490,730	502,605	513,514	523,689	532,684
General government industry	5,301	5,427	5,237	5,272	5,297	5,304	5,279
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	3,103	2,875	2,620	2,576	2,561	2,492	2,433
Aerospace products and parts	3,172	2,558	2,167	2,214	2,086	2,086	2,092
Computer systems design and related services	741	675	619	617	615	615	606
Telecommunications	787	642	530	532	511	505	501
Offices of physicians, dentists, and other health practioners	328	312	271	275	269	266	261
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,345	1,238	1,089	1,079	1,071	1,046	1,025
Administrative and support services	618	547	458	458	447	441	436
Management of companies and enterprices	409	364	311	310	303	300	297
Crude oil extraction	380	361	302	301	303	301	302
Telecommunications	381	330	278	277	270	266	263

Note: Numbers may not add to totals due to roundings.

Table 7: Connecticut Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	14,970	14,729	12,181	12,348	12,655	12,252	12,061
Indirect Defense Purchases Resulting from Direct Purchases	5,926	5,346	4,576	4,544	4,454	4,389	4,331
Induced Defense Purchases Resulting from Direct Pay	1,178	1,257	1,223	1,240	1,238	1,232	1,222
Total Nondefense Expenditures	397,759	409,364	423,742	436,182	448,494	459,541	469,196
Total Output	419,803	430,687	441,733	454,324	466,853	477,426	486,821
General government industry	674	711	707	717	721	720	714
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	4,460	4,092	3,781	3,882	3,795	3,851	3,838
Ship and boat building	4,491	5,053	3,422	3,554	4,054	3,666	3,557
Professional, scientific and technical services	2,151	2,016	1,886	1,846	1,848	1,807	1,774
Petroleum and coal products	678	599	490	468	441	437	433
Insurance	175	189	167	161	161	162	161
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	932	868	784	774	773	759	747
Management of companies and enterprises	613	544	465	464	453	449	445
Insurance	510	468	396	390	380	374	368
Aerospace products and parts	422	382	347	355	350	355	359
Securities, investments, funds and trusts	407	370	309	308	303	297	293

Note: Numbers may not add to totals due to roundings.

Table 8: Delaware Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,316	1,265	1,138	1,131	1,113	1,106	1,096
Indirect Defense Purchases Resulting from Direct Purchases	1,399	1,253	1,058	1,051	1,024	1,008	993
Induced Defense Purchases Resulting from Direct Pay	473	500	483	487	485	480	474
Total Nondefense Expenditures	114,443	117,344	120,891	124,176	127,373	130,216	132,610
Total Output	117,644	120,375	123,579	126,854	130,004	132,819	135,182
General government industry	628	645	626	631	634	635	632
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Apparel	78	87	77	73	73	74	73
Maintenance and repair construction	118	94	72	72	67	66	65
Insurance	60	65	57	56	55	56	55
Petroleum and coal products	57	51	41	40	37	37	37
Professional, scientific and technical services	38	35	31	31	30	29	28
Indirect Defense Purchases Resulting from Direct Purchases							
Banks, credit cards and finance	333	298	252	251	246	242	238
Insurance	175	161	136	134	131	129	126
Management of companies and enterprises	175	155	133	132	129	128	127
Petroleum and coal products	87	77	64	63	61	60	59
Other chemicals	68	61	51	51	49	48	48

Note: Numbers may not add to totals due to roundings.

Table 9: District of Columbia Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	10,218	9,555	8,398	8,455	8,235	8,123	8,015
Indirect Defense Purchases Resulting from Direct Purchases	3,932	3,431	2,807	2,813	2,724	2,684	2,652
Induced Defense Purchases Resulting from Direct Pay	1,535	1,631	1,580	1,599	1,599	1,586	1,570
Total Nondefense Expenditures	217,078	220,866	225,755	229,943	234,303	238,213	241,667
Total Output	232,803	235,518	238,569	242,839	246,888	250,634	253,932
General government industry	3,435	3,721	3,645	3,697	3,684	3,648	3,603
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	3,584	3,070	2,495	2,498	2,391	2,350	2,317
Computer systems design and related services	593	510	419	423	407	403	398
Fabricated metal products	386	351	326	324	301	304	302
Administrative and support services	430	336	251	253	235	229	226
Offices of physicians, dentists, and other health practioners	184	175	152	154	151	149	146
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,553	1,322	1,038	1,046	1,000	987	976
Administrative and support services	918	816	684	683	667	658	650
Performing arts, spectator sports and museums	193	167	140	140	136	134	132
Legal services	174	156	133	132	129	127	126
Computer systems design and related services	152	134	111	111	107	104	103

Note: Numbers may not add to totals due to roundings.

Table 10: Florida Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	32,681	30,331	27,167	27,251	26,761	26,675	26,464
Indirect Defense Purchases Resulting from Direct Purchases	15,291	13,577	11,442	11,409	11,124	10,973	10,830
Induced Defense Purchases Resulting from Direct Pay	6,851	7,296	7,062	7,138	7,120	7,061	6,985
Total Nondefense Expenditures	1,281,969	1,320,165	1,360,816	1,395,086	1,426,577	1,455,532	1,480,451
Total Output	1,336,914	1,371,451	1,406,508	1,440,911	1,471,601	1,500,292	1,524,784
General government industry	11,185	11,589	11,459	11,608	11,693	11,724	11,665
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	3,264	2,867	2,428	2,412	2,339	2,295	2,259
Aerospace products and parts	1,683	1,513	1,381	1,417	1,376	1,395	1,393
Search, detection and navigation equipment	1,459	1,259	1,147	1,156	1,154	1,190	1,190
Water transportation	1,489	1,378	1,145	1,124	1,094	1,089	1,078
New construction	893	806	655	641	593	543	508
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	1,627	1,446	1,215	1,213	1,186	1,170	1,157
Professional, scientific and technical services	1,415	1,235	1,010	1,011	978	964	952
Real estate	1,168	1,043	883	878	856	843	831
Wholesale trade	1,102	976	820	817	798	786	775
Management of companies and enterprises	1,014	900	770	767	750	743	737

Note: Numbers may not add to totals due to roundings.

Table 11: Georgia Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	23,010	21,881	19,877	19,926	19,577	19,513	19,364
Indirect Defense Purchases Resulting from Direct Purchases	12,056	10,760	9,076	9,029	8,803	8,679	8,561
Induced Defense Purchases Resulting from Direct Pay	6,247	6,656	6,439	6,506	6,489	6,432	6,361
Total Nondefense Expenditures	844,317	866,794	890,830	910,997	929,941	947,823	963,638
Total Output	885,878	906,384	926,405	946,644	965,020	982,632	998,101
General government industry	10,993	11,402	11,028	11,118	11,146	11,128	11,055
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	2,431	2,194	2,042	2,099	2,030	2,094	2,111
Professional, scientific and technical services	1,153	1,042	933	917	902	890	882
Air transportation	915	862	741	732	717	712	704
Petroleum and coal products	802	710	581	555	523	518	513
New construction	577	529	430	419	386	347	320
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	1,495	1,332	1,123	1,120	1,095	1,085	1,075
Legal services	1,382	1,238	1,052	1,048	1,026	1,011	997
Management of companies and enterprises	788	700	598	596	583	577	572
Wholesale trade	704	623	523	522	509	502	495
Professional, scientific and technical services	500	449	388	384	377	374	372

Note: Numbers may not add to totals due to roundings.

Table 12: Hawaii Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	10,075	9,767	8,803	8,828	8,732	8,641	8,553
Indirect Defense Purchases Resulting from Direct Purchases	2,080	1,843	1,540	1,537	1,496	1,472	1,451
Induced Defense Purchases Resulting from Direct Pay	2,616	2,781	2,692	2,723	2,720	2,697	2,669
Total Nondefense Expenditures	173,482	176,322	179,672	182,674	185,698	188,404	190,760
Total Output	188,351	190,800	192,780	195,833	198,715	201,283	203,501
General government industry	6,274	6,482	6,181	6,210	6,212	6,191	6,149
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Maintenance and repair construction	618	489	371	373	348	341	337
Professional, scientific and technical services	380	337	282	280	270	261	253
Telecommunications	352	286	236	238	228	225	223
Air transportation	219	206	177	175	171	170	168
Ship and boat building	222	248	170	176	199	181	176
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	528	467	390	390	380	376	372
Professional, scientific and technical services	165	145	117	117	113	109	107
Electric utilities	147	130	109	109	106	104	103
Performing arts, spectator sports and museums	125	109	91	92	89	87	86
Management of companies and enterprises	111	98	84	84	82	81	80

Note: Numbers may not add to totals due to roundings.

Table 13: Idaho Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,489	1,426	1,295	1,290	1,273	1,265	1,254
Indirect Defense Purchases Resulting from Direct Purchases	958	853	725	723	704	694	683
Induced Defense Purchases Resulting from Direct Pay	521	556	537	543	540	536	529
Total Nondefense Expenditures	90,444	93,119	96,045	98,445	100,571	102,651	104,507
Total Output	93,440	95,977	98,619	101,018	103,106	105,162	106,990
General government industry	794	811	788	795	801	803	800
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Truck transportation	103	92	75	72	70	69	68
New construction	73	65	53	52	48	44	41
Apparel	48	53	47	45	44	44	44
Professional, scientific and technical services	49	45	39	38	37	36	34
Maintenance and repair construction	53	43	34	34	31	30	30
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	102	90	77	77	75	75	74
Semiconductors and other electronic components	98	87	77	77	75	74	73
Wholesale trade	64	57	48	48	47	46	45
Real estate	63	56	48	47	46	46	45
Truck transportation	31	28	23	23	22	22	21

Note: Numbers may not add to totals due to roundings.

Table 14: Illinois Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	15,225	13,851	12,153	12,056	11,725	11,612	11,468
Indirect Defense Purchases Resulting from Direct Purchases	15,202	13,520	11,323	11,262	10,971	10,775	10,598
Induced Defense Purchases Resulting from Direct Pay	3,905	4,165	4,030	4,069	4,052	4,017	3,972
Total Nondefense Expenditures	1,275,499	1,311,033	1,350,446	1,384,094	1,415,680	1,445,045	1,470,760
Total Output	1,309,946	1,342,687	1,378,028	1,411,557	1,442,509	1,471,521	1,496,867
General government industry	2,953	3,177	3,168	3,223	3,229	3,213	3,181
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Petroleum and coal products	1,224	1,083	886	846	797	790	782
Air transportation	815	771	663	655	642	638	631
Professional, scientific and technical services	780	709	616	610	598	576	558
Truck transportation	849	755	613	593	573	568	562
Semiconductors and other electronic components	584	560	534	526	528	513	497
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	1,680	1,491	1,276	1,271	1,242	1,231	1,220
Fabricated metal products	1,170	1,018	839	835	808	789	775
Wholesale trade	986	873	733	731	714	704	694
Real estate	765	682	578	575	560	552	544
Petroleum and coal products	717	639	532	523	504	496	488

Note: Numbers may not add to totals due to roundings.

Table 15: Indiana Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	7,332	6,474	5,685	5,660	5,519	5,532	5,493
Indirect Defense Purchases Resulting from Direct Purchases	8,524	7,463	6,196	6,164	5,995	5,908	5,818
Induced Defense Purchases Resulting from Direct Pay	2,207	2,357	2,278	2,295	2,281	2,258	2,229
Total Nondefense Expenditures	616,744	634,394	653,101	668,198	682,059	695,678	708,020
Total Output	634,915	650,823	667,324	682,383	695,935	709,443	721,622
General government industry	1,543	1,698	1,722	1,760	1,762	1,750	1,729
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	970	840	694	693	667	655	646
Aerospace products and parts	621	552	505	518	501	511	513
Truck transportation	592	527	428	414	399	396	392
Petroleum and coal products	368	326	266	254	240	238	235
Communications and audio-video equipment	302	242	226	224	221	231	237
Indirect Defense Purchases Resulting from Direct Purchases							
Iron and steel	939	821	655	652	637	615	602
Nonferrous metals	714	618	526	530	512	512	506
Fabricated metal products	661	575	474	472	457	446	438
Other chemicals	527	472	396	392	379	372	366
Professional, scientific and technical services	420	362	289	290	279	275	272

Note: Numbers may not add to totals due to roundings.

Table 16: Iowa Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	3,170	2,871	2,534	2,514	2,456	2,450	2,428
Indirect Defense Purchases Resulting from Direct Purchases	3,051	2,731	2,287	2,270	2,211	2,166	2,125
Induced Defense Purchases Resulting from Direct Pay	860	919	886	890	883	873	861
Total Nondefense Expenditures	257,792	265,676	273,965	280,960	287,598	293,763	299,106
Total Output	264,897	272,224	279,688	286,650	293,167	299,268	304,536
General government industry	474	495	494	501	505	506	503
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Search, detection and navigation equipment	340	305	284	286	287	291	288
Truck transportation	340	303	246	238	229	228	225
Communications and audio-video equipment	280	227	212	210	208	216	220
Petroleum and coal products	281	249	204	194	183	182	180
Professional, scientific and technical services	228	213	194	191	189	183	178
Indirect Defense Purchases Resulting from Direct Purchases							
Insurance	253	232	196	193	188	185	182
Fabricated metal products	185	161	133	132	128	125	123
Wholesale trade	162	144	121	120	117	116	114
Real estate	124	111	94	93	91	90	88
Banks, credit cards and finance	123	110	93	93	91	89	88

Note: Numbers may not add to totals due to roundings.

Table 17: Kansas Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	6,124	5,817	5,261	5,264	5,175	5,159	5,121
Indirect Defense Purchases Resulting from Direct Purchases	2,998	2,677	2,273	2,266	2,211	2,186	2,164
Induced Defense Purchases Resulting from Direct Pay	1,746	1,860	1,800	1,819	1,815	1,800	1,781
Total Nondefense Expenditures	226,072	232,400	239,911	245,737	251,231	256,590	261,349
Total Output	237,227	243,083	249,404	255,253	260,633	265,901	270,569
General government industry	3,238	3,296	3,136	3,145	3,155	3,156	3,141
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	725	661	615	632	614	629	631
Truck transportation	203	180	146	142	137	136	134
New construction	188	173	140	136	125	111	102
Professional, scientific and technical services	191	168	138	138	132	128	124
Petroleum and coal products	173	153	125	120	113	112	111
Indirect Defense Purchases Resulting from Direct Purchases							
Aerospace products and parts	316	286	260	266	262	265	269
Administrative and support services	285	256	231	228	222	225	226
Telecommunications	181	157	132	132	128	126	125
Wholesale trade	172	153	128	128	125	123	121
Management of companies and enterprises	116	103	88	88	86	85	84

Note: Numbers may not add to totals due to roundings.

Table 18: Kentucky Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	15,146	14,162	12,395	12,402	12,152	12,072	11,943
Indirect Defense Purchases Resulting from Direct Purchases	5,625	4,954	4,135	4,113	3,999	3,937	3,881
Induced Defense Purchases Resulting from Direct Pay	2,656	2,828	2,734	2,762	2,753	2,727	2,695
Total Nondefense Expenditures	470,540	479,653	498,218	510,187	522,059	533,958	545,501
Total Output	494,025	501,639	517,520	529,508	541,009	552,737	564,063
General government industry	4,865	4,904	4,618	4,618	4,632	4,635	4,618
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Offices of physicians, dentists, and other health practioners	4,777	4,534	3,941	3,997	3,917	3,877	3,804
Air transportation	775	685	581	580	562	556	550
Petroleum and coal products	569	504	412	394	371	368	364
Professional, scientific and technical services	581	497	410	408	391	390	389
Administrative and support services	606	474	359	360	336	329	324
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	1,294	1,154	978	974	953	942	932
Iron and steel	288	252	201	200	196	189	185
Management of companies and enterprices	237	210	180	179	175	173	172
Transportation support, sightseeing, couriers	229	206	173	171	166	164	162
Professional, scientific and technical services	252	214	171	171	163	164	164

Note: Numbers may not add to totals due to roundings.

Table 19: Louisiana Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	7,695	7,047	6,067	6,022	5,862	5,757	5,664
Indirect Defense Purchases Resulting from Direct Purchases	8,167	7,346	6,150	6,098	5,945	5,862	5,793
Induced Defense Purchases Resulting from Direct Pay	2,040	2,168	2,090	2,103	2,091	2,069	2,044
Total Nondefense Expenditures	513,099	534,299	551,686	565,768	579,844	592,669	604,525
Total Output	531,028	550,848	566,011	580,005	593,744	606,368	618,037
General government industry	2,507	2,576	2,485	2,502	2,511	2,512	2,499
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
New construction	1,013	952	764	741	671	583	523
Water transportation	942	870	723	710	690	687	681
Maintenance and repair construction	384	308	236	237	221	216	213
Computer systems design and related services	302	262	232	235	233	240	241
Truck transportation	251	223	181	175	169	168	166
Indirect Defense Purchases Resulting from Direct Purchases							
Petroleum and coal products	3,116	2,775	2,309	2,274	2,190	2,155	2,122
Crude oil extraction	1,118	1,064	888	886	891	885	889
Administrative and support services	347	307	257	257	251	247	245
Other chemicals	295	264	222	220	212	209	205
Management of companies and enterprises	227	202	173	172	168	166	165

Note: Numbers may not add to totals due to roundings.

Table 20: Maine Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	4,878	5,210	4,090	4,187	4,451	4,199	4,105
Indirect Defense Purchases Resulting from Direct Purchases	988	881	748	745	726	717	709
Induced Defense Purchases Resulting from Direct Pay	590	628	607	613	611	606	599
Total Nondefense Expenditures	120,013	122,200	125,249	127,906	130,536	133,028	135,315
Total Output	126,498	128,937	130,707	133,464	136,336	138,562	140,738
General government industry	898	1,006	1,029	1,055	1,054	1,045	1,030
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Ship and boat building	2,763	3,083	2,111	2,191	2,484	2,251	2,183
Offices of physicians, dentists, and other health practioners	414	393	342	347	340	336	330
Apparel	169	181	156	148	146	146	145
Professional, scientific and technical services	89	81	76	74	73	74	74
Maintenance and repair construction	83	66	51	51	48	46	46
Indirect Defense Purchases Resulting from Direct Purchases							
Aerospace products and parts	77	70	64	65	64	65	66
Management of companies and enterprices	79	70	60	60	59	58	58
Paper	80	71	60	59	57	56	55
Real estate	69	61	52	52	50	50	49
Wholesale trade	64	57	48	48	47	46	45

Note: Numbers may not add to totals due to roundings.

Table 21: Maryland Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	25,129	23,611	20,968	21,071	20,705	20,381	20,081
Indirect Defense Purchases Resulting from Direct Purchases	10,552	9,377	7,866	7,844	7,652	7,526	7,417
Induced Defense Purchases Resulting from Direct Pay	3,633	3,866	3,743	3,785	3,779	3,749	3,711
Total Nondefense Expenditures	622,464	636,272	652,703	666,138	679,491	691,772	702,623
Total Output	661,800	673,157	685,314	698,874	711,661	723,460	733,863
General government industry	6,707	7,320	7,321	7,461	7,458	7,403	7,314
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	7,267	6,464	5,567	5,521	5,390	5,271	5,172
Computer systems design and related services	1,199	1,054	896	899	872	865	854
Aerospace products and parts	804	717	661	679	655	673	678
Ship and boat building	796	893	607	630	717	649	630
Offices of physicians, dentists, and other health practioners	655	622	541	548	537	532	522
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	3,150	2,783	2,315	2,313	2,253	2,213	2,179
Administrative and support services	1,232	1,091	913	913	891	880	872
Legal services	955	855	727	724	709	699	689
Information and data processing	517	464	386	386	379	369	362
Real estate	477	425	361	359	350	345	340

Note: Numbers may not add to totals due to roundings.

Table 22: Massachusetts Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	20,033	18,215	16,475	16,425	16,171	16,029	15,836
Indirect Defense Purchases Resulting from Direct Purchases	10,246	9,256	7,973	7,926	7,788	7,647	7,516
Induced Defense Purchases Resulting from Direct Pay	1,883	2,009	1,950	1,976	1,973	1,962	1,944
Total Nondefense Expenditures	666,083	685,033	708,890	728,197	746,228	763,105	777,967
Total Output	698,278	714,638	735,334	754,576	772,240	788,795	803,310
General government industry	1,345	1,458	1,464	1,493	1,496	1,488	1,472
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	6,944	6,516	5,985	5,886	5,876	5,676	5,505
Aerospace products and parts	2,430	2,209	2,064	2,122	2,057	2,121	2,136
Search, detection and navigation equipment	2,023	1,825	1,665	1,666	1,663	1,653	1,624
Communications and audio-video equipment	698	587	541	538	533	542	545
Telecommunications	610	493	423	422	414	414	410
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	3,010	2,806	2,489	2,466	2,456	2,383	2,320
Management of companies and enterprises	932	828	708	705	689	683	677
Securities, investments, funds and trusts	568	515	431	429	423	414	409
Real estate	497	444	376	374	364	359	354
Wholesale trade	488	432	363	362	353	348	343

Note: Numbers may not add to totals due to roundings.

Table 23: Michigan Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	7,878	6,739	5,875	5,786	5,570	5,600	5,605
Indirect Defense Purchases Resulting from Direct Purchases	8,709	7,683	6,429	6,376	6,211	6,106	6,005
Induced Defense Purchases Resulting from Direct Pay	2,794	2,988	2,887	2,909	2,892	2,861	2,821
Total Nondefense Expenditures	807,832	829,597	852,238	871,888	889,307	905,257	918,915
Total Output	827,303	847,106	867,478	887,010	904,039	919,873	933,393
General government industry	1,519	1,675	1,707	1,747	1,750	1,739	1,717
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Petroleum and coal products	802	709	580	554	522	518	512
Professional, scientific and technical services	560	511	467	457	452	449	448
Other transportation equipment	1,223	568	437	405	353	430	495
Truck transportation	450	400	325	314	304	301	298
Air transportation	325	306	263	260	255	253	250
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprises	1,177	1,045	894	891	870	863	855
Fabricated metal products	826	719	593	590	571	557	547
Wholesale trade	577	511	429	428	418	412	406
Motor vehicle parts	593	470	370	354	339	335	325
Real estate	420	375	317	315	307	303	298

Note: Numbers may not add to totals due to roundings.

Table 24: Minnesota Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	4,674	4,294	3,751	3,716	3,599	3,564	3,522
Indirect Defense Purchases Resulting from Direct Purchases	6,054	5,395	4,552	4,527	4,414	4,344	4,278
Induced Defense Purchases Resulting from Direct Pay	1,390	1,483	1,433	1,446	1,438	1,424	1,406
Total Nondefense Expenditures	477,449	491,596	507,684	521,185	533,776	545,526	555,823
Total Output	489,661	502,857	517,470	530,926	543,284	554,909	565,077
General government industry	724	760	759	772	777	778	773
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Fabricated metal products	414	367	330	325	299	300	297
Petroleum and coal products	426	377	308	295	278	275	272
Air transportation	313	294	253	250	245	243	241
Truck transportation	311	276	224	217	209	208	206
Professional, scientific and technical services	253	237	219	215	214	209	205
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprices	1,091	968	828	825	806	799	792
Fabricated metal products	414	360	297	295	286	279	274
Wholesale trade	396	351	295	294	287	283	279
Petroleum and coal products	369	329	274	269	260	255	251
Real estate	289	258	219	217	212	209	206

Note: Numbers may not add to totals due to roundings.

Table 25: Mississippi Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	8,761	8,884	7,076	7,203	7,507	7,162	7,035
Indirect Defense Purchases Resulting from Direct Purchases	2,404	2,138	1,791	1,782	1,734	1,705	1,680
Induced Defense Purchases Resulting from Direct Pay	1,241	1,322	1,279	1,291	1,286	1,274	1,259
Total Nondefense Expenditures	192,760	198,534	203,868	208,323	212,519	216,479	219,991
Total Output	205,204	210,909	214,043	218,628	223,076	226,650	229,993
General government industry	2,034	2,152	2,126	2,156	2,162	2,156	2,138
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Ship and boat building	3,634	4,088	2,770	2,877	3,280	2,966	2,878
Transportation support, sightseeing, couriers	553	477	408	424	407	406	406
Professional, scientific and technical services	262	237	214	210	207	204	202
Computer systems design and related services	297	254	206	208	198	195	193
Petroleum and coal products	273	242	198	189	178	176	175
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	268	237	198	198	193	191	189
Professional, scientific and technical services	113	102	89	88	87	86	85
Management of companies and enterprises	113	100	85	85	83	83	82
Wholesale trade	110	97	82	81	79	78	77
Petroleum and coal products	104	93	77	76	73	72	71

Note: Numbers may not add to totals due to roundings.

Table 26: Missouri Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	17,189	15,883	14,333	14,371	14,049	14,068	13,967
Indirect Defense Purchases Resulting from Direct Purchases	7,089	6,345	5,404	5,373	5,254	5,175	5,105
Induced Defense Purchases Resulting from Direct Pay	2,219	2,368	2,290	2,310	2,301	2,279	2,253
Total Nondefense Expenditures	517,682	531,759	549,838	563,331	576,279	588,773	600,226
Total Output	544,311	556,579	571,973	585,464	597,997	610,382	621,630
General government industry	2,716	2,828	2,767	2,798	2,810	2,808	2,790
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	3,700	3,367	3,151	3,239	3,139	3,241	3,265
Professional, scientific and technical services	2,527	2,354	2,193	2,147	2,145	2,105	2,073
Offices of physicians, dentists, and other health practioners	1,468	1,393	1,211	1,228	1,203	1,191	1,169
Search, detection and navigation equipment	828	726	677	684	688	712	712
Fabricated metal products	778	691	618	606	557	556	549
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,095	1,013	912	900	896	884	873
Management of companies and enterprices	912	810	693	690	674	669	663
Wholesale trade	350	310	260	260	253	250	246
Fabricated metal products	325	282	233	232	224	219	215
Aerospace products and parts	277	251	229	233	230	233	236

Note: Numbers may not add to totals due to roundings.

Table 27: Montana Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,449	1,334	1,206	1,210	1,192	1,205	1,226
Indirect Defense Purchases Resulting from Direct Purchases	749	670	567	562	547	539	532
Induced Defense Purchases Resulting from Direct Pay	335	357	345	348	347	344	340
Total Nondefense Expenditures	59,810	61,870	63,785	65,389	66,899	68,280	69,511
Total Output	62,353	64,240	65,910	67,516	68,991	70,374	71,616
General government industry	582	597	580	585	589	590	587
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Publishing, except software	312	257	237	245	245	267	298
Truck transportation	63	56	45	44	42	42	41
New construction	59	54	44	43	39	36	33
Maintenance and repair construction	70	56	43	43	40	39	38
Rail transportation	50	44	36	35	34	34	33
Indirect Defense Purchases Resulting from Direct Purchases							
Petroleum and coal products	110	98	81	80	77	76	75
Information and data processing	59	53	44	44	43	42	41
Administrative and support services	49	45	43	42	41	42	43
Wholesale trade	42	37	31	31	30	30	29
Real estate	41	36	31	31	30	30	29

Note: Numbers may not add to totals due to roundings.

Table 28: Nebraska Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	3,284	3,093	2,751	2,747	2,696	2,677	2,648
Indirect Defense Purchases Resulting from Direct Purchases	1,854	1,652	1,383	1,376	1,338	1,315	1,294
Induced Defense Purchases Resulting from Direct Pay	856	913	882	890	886	878	867
Total Nondefense Expenditures	160,453	165,108	170,064	174,331	178,341	182,103	185,423
Total Output	166,480	170,799	175,101	179,364	183,284	186,993	190,252
General government industry	1,295	1,340	1,302	1,314	1,319	1,319	1,311
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Computer systems design and related services	370	322	272	274	267	266	263
Professional, scientific and technical services	274	238	196	195	187	183	179
Truck transportation	266	237	192	186	179	178	176
Rail transportation	224	199	162	157	151	150	149
New construction	84	75	61	60	56	52	49
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprises	169	150	129	128	125	124	123
Rail transportation	152	133	110	109	106	104	102
Insurance	108	100	84	83	81	80	78
Wholesale trade	111	98	83	82	80	79	78
Professional, scientific and technical services	119	103	82	82	78	77	76

Note: Numbers may not add to totals due to roundings.

Table 29: Nevada Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	4,911	4,507	4,002	4,007	3,924	3,911	3,886
Indirect Defense Purchases Resulting from Direct Purchases	2,467	2,195	1,848	1,843	1,798	1,772	1,747
Induced Defense Purchases Resulting from Direct Pay	1,014	1,078	1,043	1,053	1,050	1,040	1,028
Total Nondefense Expenditures	188,398	194,643	200,922	206,128	210,802	215,121	218,789
Total Output	196,815	202,447	207,833	213,050	217,592	221,862	225,468
General government industry	1,748	1,769	1,713	1,725	1,739	1,747	1,743
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	673	566	496	508	483	488	490
Accommodation	533	478	401	393	382	378	375
Air transportation	227	215	185	182	179	178	176
Professional, scientific and technical services	219	194	164	163	158	154	151
Transportation support, sightseeing, couriers	217	188	157	162	157	155	154
Indirect Defense Purchases Resulting from Direct Purchases							
Administrative and support services	349	309	258	258	251	248	246
Management of companies and enterprises	284	252	215	215	210	208	206
Accommodation	281	252	215	216	212	209	207
Banks, credit cards and finance	166	149	126	125	122	121	119
Real estate	153	137	116	115	112	110	109

Note: Numbers may not add to totals due to roundings.

Table 30: New Hampshire Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	2,880	2,582	2,292	2,292	2,248	2,249	2,230
Indirect Defense Purchases Resulting from Direct Purchases	1,374	1,225	1,034	1,030	1,005	987	970
Induced Defense Purchases Resulting from Direct Pay	389	415	402	406	404	401	396
Total Nondefense Expenditures	100,094	103,114	106,569	109,358	111,932	114,301	116,362
Total Output	104,724	107,315	110,291	113,078	115,578	117,930	119,952
General government industry	407	423	425	432	436	438	436
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Search, detection and navigation equipment	647	567	533	540	544	565	567
Professional, scientific and technical services	446	407	359	355	350	339	329
Aerospace products and parts	229	185	157	160	152	151	151
Petroleum and coal products	173	153	125	119	112	111	110
Commercial and service industry machinery	86	71	61	61	58	58	56
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	193	175	149	149	146	142	139
Management of companies and enterprices	126	112	96	95	93	92	92
Fabricated metal products	115	100	82	82	79	77	76
Wholesale trade	86	76	64	64	62	62	61
Real estate	81	72	61	60	59	58	57

Note: Numbers may not add to totals due to roundings.

Table 31: New Jersey Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	14,868	13,695	12,223	12,148	11,863	11,781	11,682
Indirect Defense Purchases Resulting from Direct Purchases	12,163	10,844	9,200	9,134	8,919	8,814	8,718
Induced Defense Purchases Resulting from Direct Pay	3,118	3,325	3,225	3,261	3,252	3,229	3,198
Total Nondefense Expenditures	994,875	1,021,691	1,052,407	1,079,054	1,103,548	1,127,197	1,148,536
Total Output	1,025,040	1,049,562	1,077,072	1,103,612	1,127,593	1,151,035	1,172,148
General government industry	2,431	2,710	2,737	2,799	2,793	2,764	2,725
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	4,114	3,703	3,403	3,329	3,295	3,309	3,325
Search, detection and navigation equipment	893	802	747	751	755	763	756
Air transportation	913	836	715	710	692	686	678
Truck transportation	483	430	349	338	326	323	320
New construction	429	386	314	308	285	261	245
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,783	1,595	1,415	1,395	1,378	1,389	1,401
Management of companies and enterprices	1,254	1,113	952	948	927	919	911
Wholesale trade	889	787	661	659	644	634	625
Real estate	755	673	570	567	553	545	537
Other chemicals	590	528	442	438	424	416	410

Note: Numbers may not add to totals due to roundings.

Table 32: New Mexico Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	4,374	4,168	3,802	3,806	3,751	3,703	3,651
Indirect Defense Purchases Resulting from Direct Purchases	2,336	2,110	1,793	1,787	1,756	1,731	1,709
Induced Defense Purchases Resulting from Direct Pay	1,020	1,087	1,051	1,062	1,060	1,051	1,040
Total Nondefense Expenditures	146,197	150,788	155,265	158,930	162,553	165,732	168,671
Total Output	153,974	158,192	161,941	165,617	169,152	172,247	175,101
General government industry	1,970	2,068	2,031	2,056	2,063	2,060	2,044
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	929	856	769	758	751	728	708
New construction	152	140	113	110	101	90	83
Maintenance and repair construction	165	132	101	101	95	92	91
Administrative and support services	139	108	81	81	76	74	73
Computer systems design and related services	89	77	64	64	62	62	61
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	403	369	320	318	314	306	298
Crude oil extraction	394	375	313	313	314	312	314
Administrative and support services	296	263	221	220	215	212	210
Semiconductors and other electronic components	159	141	124	124	121	120	118
Real estate	85	76	64	64	62	61	60

Note: Numbers may not add to totals due to roundings.

Table 33: New York Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	20,076	18,483	16,254	16,221	15,959	15,776	15,556
Indirect Defense Purchases Resulting from Direct Purchases	20,151	17,979	15,158	15,084	14,732	14,503	14,293
Induced Defense Purchases Resulting from Direct Pay	6,324	6,738	6,563	6,662	6,662	6,634	6,582
Total Nondefense Expenditures	1,841,849	1,892,979	1,956,903	2,013,639	2,066,464	2,115,198	2,157,584
Total Output	1,888,294	1,936,061	1,994,870	2,051,592	2,103,779	2,152,086	2,193,996
General government industry	3,992	4,125	3,972	4,000	4,010	4,004	3,979
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	2,737	2,569	2,283	2,333	2,341	2,252	2,167
Search, detection and navigation equipment	1,430	1,254	1,173	1,186	1,194	1,235	1,236
Professional, scientific and technical services	1,340	1,225	1,083	1,069	1,051	1,018	991
Communications and audio-video equipment	1,035	830	773	768	756	792	812
Air transportation	784	737	632	628	615	609	602
Indirect Defense Purchases Resulting from Direct Purchases							
Securities, investments, funds and trusts	2,888	2,620	2,190	2,181	2,148	2,106	2,077
Management of companies and enterprises	2,700	2,397	2,050	2,042	1,996	1,978	1,961
Real estate	1,363	1,216	1,030	1,024	998	984	970
Wholesale trade	1,285	1,138	956	952	930	917	904
Banks, credit cards and finance	1,174	1,050	887	885	865	852	839

Note: Numbers may not add to totals due to roundings.

Table 34: North Carolina Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	17,749	16,868	15,160	15,095	14,857	14,772	14,651
Indirect Defense Purchases Resulting from Direct Purchases	9,497	8,466	7,105	7,064	6,871	6,755	6,646
Induced Defense Purchases Resulting from Direct Pay	6,118	6,512	6,293	6,350	6,322	6,260	6,184
Total Nondefense Expenditures	834,369	858,021	882,352	902,584	921,024	938,934	954,968
Total Output	868,022	890,143	911,126	931,311	949,296	966,932	982,656
General government industry	10,001	10,158	9,697	9,733	9,773	9,786	9,746
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Petroleum and coal products	1,531	1,354	1,108	1,058	997	988	978
Professional, scientific and technical services	599	529	446	443	428	418	410
New construction	562	513	415	405	373	336	311
Maintenance and repair construction	619	495	379	380	355	346	341
Truck transportation	456	406	329	319	307	305	302
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprises	997	885	757	754	737	730	724
Banks, credit cards and finance	761	681	576	574	561	553	545
Administrative and support services	732	648	541	541	528	522	516
Other chemicals	504	451	378	375	363	356	350
Wholesale trade	478	423	355	354	346	341	336

Note: Numbers may not add to totals due to roundings.

Table 35: North Dakota Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,293	1,234	1,104	1,100	1,082	1,072	1,061
Indirect Defense Purchases Resulting from Direct Purchases	580	518	434	432	421	414	407
Induced Defense Purchases Resulting from Direct Pay	392	418	404	408	407	403	399
Total Nondefense Expenditures	53,156	54,772	56,434	57,783	59,045	60,240	61,300
Total Output	55,441	56,961	58,390	59,736	60,970	62,142	63,180
General government industry	747	761	723	725	727	726	723
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Truck transportation	103	92	75	72	70	69	68
Maintenance and repair construction	99	79	60	60	56	55	54
New construction	78	72	58	57	52	46	43
Rail transportation	30	27	22	21	20	20	20
Telecommunications	28	23	19	19	19	18	18
Indirect Defense Purchases Resulting from Direct Purchases							
Wholesale trade	49	44	37	37	36	35	35
Administrative and support services	38	34	28	28	28	27	27
Management of companies and enterprises	34	30	26	26	25	25	25
Real estate	29	26	22	22	21	21	21
Banks, credit cards and finance	25	22	19	19	18	18	18

Note: Numbers may not add to totals due to roundings.

Table 36: Ohio Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	14,164	13,400	12,076	12,044	11,778	11,633	11,459
Indirect Defense Purchases Resulting from Direct Purchases	14,104	12,514	10,492	10,433	10,168	9,988	9,830
Induced Defense Purchases Resulting from Direct Pay	3,948	4,211	4,069	4,102	4,080	4,039	3,988
Total Nondefense Expenditures	1,008,928	1,035,543	1,064,531	1,088,741	1,111,123	1,132,494	1,151,487
Total Output	1,041,436	1,066,012	1,091,321	1,115,483	1,137,349	1,158,313	1,176,911
General government industry	3,701	4,096	4,149	4,243	4,242	4,207	4,152
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	1,885	1,733	1,572	1,546	1,533	1,497	1,468
Petroleum and coal products	1,424	1,260	1,031	984	928	920	910
Truck transportation	782	695	565	546	527	523	518
Search, detection and navigation equipment	487	426	400	405	408	424	425
Aerospace products and parts	472	440	395	404	402	393	381
Indirect Defense Purchases Resulting from Direct Purchases							
Management of companies and enterprises	1,510	1,340	1,146	1,142	1,116	1,106	1,096
Fabricated metal products	1,280	1,114	918	914	885	864	848
Professional, scientific and technical services	817	746	654	648	641	629	619
Iron and steel	778	680	543	541	528	510	499
Wholesale trade	671	594	499	498	486	479	472

Note: Numbers may not add to totals due to roundings.

Table 37: Oklahoma Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	7,440	7,260	6,702	6,754	6,640	6,589	6,520
Indirect Defense Purchases Resulting from Direct Purchases	3,846	3,462	2,896	2,882	2,827	2,785	2,755
Induced Defense Purchases Resulting from Direct Pay	2,145	2,283	2,209	2,232	2,227	2,208	2,183
Total Nondefense Expenditures	317,987	327,471	335,700	342,930	350,337	356,746	362,596
Total Output	331,492	340,557	347,563	354,856	362,091	368,383	374,107
General government industry	4,057	4,340	4,278	4,341	4,342	4,318	4,275
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	507	453	419	430	415	427	430
Maintenance and repair construction	453	360	274	275	257	251	248
Professional, scientific and technical services	322	286	250	246	240	237	236
Truck transportation	221	197	160	155	149	148	146
New construction	190	173	140	137	126	114	105
Indirect Defense Purchases Resulting from Direct Purchases							
Crude oil extraction	747	710	593	591	595	591	594
Administrative and support services	292	260	219	218	213	211	208
Fabricated metal products	203	177	146	145	140	137	135
Management of companies and enterprises	153	136	116	116	113	112	111
Wholesale trade	156	138	116	116	113	111	110

Note: Numbers may not add to totals due to roundings.

Table 38: Oregon Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	3,557	3,220	2,802	2,782	2,730	2,704	2,675
Indirect Defense Purchases Resulting from Direct Purchases	3,724	3,300	2,799	2,790	2,718	2,680	2,638
Induced Defense Purchases Resulting from Direct Pay	993	1,062	1,024	1,035	1,030	1,021	1,008
Total Nondefense Expenditures	284,359	292,434	301,938	309,553	316,349	322,957	328,914
Total Output	292,621	300,058	308,552	316,146	322,797	329,346	335,223
General government industry	898	951	962	980	988	989	982
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Printing	386	321	286	278	273	274	275
Truck transportation	210	187	152	147	142	140	139
Air transportation	167	153	131	130	127	125	124
New construction	166	149	121	119	110	101	95
Waste management and remediation	239	174	118	115	102	99	96
Indirect Defense Purchases Resulting from Direct Purchases							
Semiconductors and other electronic components	426	378	334	332	325	322	318
Management of companies and enterprises	347	308	264	263	257	254	252
Wholesale trade	238	211	177	176	172	170	167
Real estate	210	187	159	158	154	152	149
Fabricated metal products	144	125	103	103	99	97	95

Note: Numbers may not add to totals due to roundings.

Table 39: Pennsylvania Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	19,000	17,383	15,274	15,298	14,885	14,723	14,549
Indirect Defense Purchases Resulting from Direct Purchases	14,549	12,926	10,817	10,764	10,476	10,293	10,130
Induced Defense Purchases Resulting from Direct Pay	3,817	4,071	3,941	3,979	3,963	3,930	3,887
Total Nondefense Expenditures	1,287,094	1,320,339	1,361,936	1,395,863	1,426,866	1,458,046	1,487,018
Total Output	1,324,200	1,354,384	1,391,860	1,425,788	1,456,024	1,486,869	1,515,472
General government industry	3,507	3,921	4,009	4,110	4,109	4,074	4,018
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	3,426	3,031	2,572	2,558	2,488	2,424	2,370
Aerospace products and parts	1,479	1,347	1,253	1,288	1,251	1,284	1,289
Petroleum and coal products	1,187	1,050	858	819	772	766	758
Fabricated metal products	810	732	673	665	616	618	612
Truck transportation	752	668	543	525	506	502	497
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	1,485	1,305	1,070	1,072	1,040	1,018	999
Management of companies and enterprises	1,347	1,196	1,023	1,019	996	987	978
Iron and steel	825	721	575	573	559	540	529
Fabricated metal products	801	696	574	571	553	540	530
Petroleum and coal products	757	674	561	552	532	524	515

Note: Numbers may not add to totals due to roundings.

Table 40: Rhode Island Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,963	1,876	1,710	1,726	1,688	1,674	1,652
Indirect Defense Purchases Resulting from Direct Purchases	1,202	1,062	883	881	855	842	829
Induced Defense Purchases Resulting from Direct Pay	474	504	488	493	491	487	481
Total Nondefense Expenditures	104,865	107,110	109,736	112,130	114,435	116,529	118,362
Total Output	108,528	110,578	112,831	115,245	117,487	119,547	121,339
General government industry	680	767	782	802	800	792	780
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	403	341	271	272	259	254	250
Search, detection and navigation equipment	219	192	178	180	181	187	187
Petroleum and coal products	80	70	58	55	52	51	51
New construction	58	53	43	42	39	35	33
Aerospace products and parts	47	43	40	41	40	41	42
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	174	147	113	114	108	107	105
Management of companies and enterprises	136	121	103	103	101	100	99
Banks, credit cards and finance	91	82	69	69	67	66	65
Fabricated metal products	74	65	53	53	51	50	49
Real estate	70	62	53	52	51	50	50

Note: Numbers may not add to totals due to roundings.

Table 41: South Carolina Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	10,399	9,657	8,542	8,576	8,408	8,369	8,306
Indirect Defense Purchases Resulting from Direct Purchases	5,074	4,513	3,737	3,714	3,608	3,535	3,472
Induced Defense Purchases Resulting from Direct Pay	2,128	2,267	2,194	2,216	2,210	2,190	2,165
Total Nondefense Expenditures	395,564	406,957	420,158	430,168	439,446	448,419	456,533
Total Output	413,200	423,395	434,669	444,708	453,691	462,542	470,508
General government industry	3,800	3,918	3,828	3,867	3,889	3,896	3,876
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Other repair and maintenance, personal services	1,208	1,098	901	930	893	893	893
Offices of physicians, dentists, and other health practioners	1,012	961	835	847	830	821	806
Petroleum and coal products	806	713	583	557	525	520	515
Professional, scientific and technical services	576	498	410	409	393	385	379
Telecommunications	296	249	211	211	205	200	196
Indirect Defense Purchases Resulting from Direct Purchases							
Other repair and maintenance, personal services	1,022	912	744	739	717	698	685
Fabricated metal products	313	272	224	223	216	211	207
Professional, scientific and technical services	250	215	171	172	164	162	160
Wholesale trade	205	182	153	152	148	146	144
Textiles and textile products	179	175	147	142	137	136	133

Note: Numbers may not add to totals due to roundings.

Table 42: South Dakota Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,473	1,402	1,252	1,252	1,227	1,219	1,205
Indirect Defense Purchases Resulting from Direct Purchases	670	600	504	502	489	481	473
Induced Defense Purchases Resulting from Direct Pay	362	385	372	375	373	369	364
Total Nondefense Expenditures	63,469	65,220	67,228	68,895	70,412	71,830	73,087
Total Output	65,985	67,617	69,364	71,032	72,508	73,907	75,136
General government industry	519	532	515	518	521	522	520
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Dairy products, meat and seafood	256	249	219	221	216	214	210
Retail trade	109	105	92	93	91	90	88
Truck transportation	71	63	51	49	48	47	47
Maintenance and repair construction	73	58	44	44	41	40	40
Aerospace products and parts	49	45	42	44	42	44	44
Indirect Defense Purchases Resulting from Direct Purchases							
Banks, credit cards and finance	140	125	106	106	103	102	100
Wholesale trade	46	41	34	34	33	33	32
Management of companies and enterprises	38	33	29	28	28	28	27
Animal production	33	32	28	28	27	27	26
Real estate	30	27	23	23	22	22	21

Note: Numbers may not add to totals due to roundings.

Table 43: Tennessee Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	8,725	8,085	7,161	7,109	6,931	6,854	6,768
Indirect Defense Purchases Resulting from Direct Purchases	6,089	5,425	4,567	4,538	4,421	4,342	4,268
Induced Defense Purchases Resulting from Direct Pay	2,071	2,210	2,135	2,153	2,141	2,119	2,093
Total Nondefense Expenditures	450,070	463,141	477,456	489,100	499,696	509,887	518,984
Total Output	467,044	478,949	491,366	502,951	513,246	523,253	532,160
General government industry	1,985	2,095	2,119	2,160	2,178	2,183	2,169
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Air transportation	1,963	1,727	1,464	1,462	1,416	1,400	1,384
Petroleum and coal products	1,018	900	736	703	662	657	650
Professional, scientific and technical services	836	781	704	694	690	662	638
Truck transportation	605	538	437	423	408	405	401
Other chemicals	214	203	187	180	173	174	176
Indirect Defense Purchases Resulting from Direct Purchases							
Fabricated metal products	449	390	322	320	310	303	297
Professional, scientific and technical services	362	336	293	291	288	278	269
Transportation support, sightseeing, couriers	387	348	291	288	280	277	274
Wholesale trade	387	343	288	287	280	276	272
Real estate	307	272	232	232	227	224	220

Note: Numbers may not add to totals due to roundings.

Table 44: Texas Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	56,273	52,545	47,505	47,701	46,918	46,801	46,406
Indirect Defense Purchases Resulting from Direct Purchases	35,788	32,254	27,134	26,977	26,431	26,063	25,766
Induced Defense Purchases Resulting from Direct Pay	12,031	12,809	12,390	12,513	12,476	12,370	12,235
Total Nondefense Expenditures	2,250,243	2,332,363	2,409,220	2,471,771	2,534,710	2,590,458	2,642,078
Total Output	2,354,794	2,430,496	2,496,487	2,559,216	2,620,850	2,675,961	2,726,745
General government industry	19,174	19,644	18,941	19,067	19,151	19,168	19,076
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	12,796	11,720	10,747	11,025	10,800	10,885	10,807
Professional, scientific and technical services	4,644	4,230	3,805	3,743	3,697	3,628	3,573
New construction	1,801	1,635	1,327	1,296	1,196	1,085	1,010
Truck transportation	1,540	1,369	1,112	1,075	1,037	1,029	1,018
Air transportation	1,319	1,248	1,074	1,061	1,040	1,033	1,021
Indirect Defense Purchases Resulting from Direct Purchases							
Crude oil extraction	5,808	5,526	4,615	4,602	4,629	4,599	4,621
Petroleum and coal products	4,584	4,082	3,398	3,345	3,222	3,171	3,122
Administrative and support services	2,469	2,203	1,860	1,854	1,816	1,790	1,767
Professional, scientific and technical services	2,013	1,822	1,582	1,568	1,545	1,523	1,506
Legal services	1,936	1,734	1,474	1,469	1,437	1,417	1,397

Note: Numbers may not add to totals due to roundings.

Table 45: Utah Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	5,357	5,197	4,837	4,837	4,748	4,703	4,656
Indirect Defense Purchases Resulting from Direct Purchases	2,933	2,612	2,248	2,231	2,186	2,175	2,162
Induced Defense Purchases Resulting from Direct Pay	1,247	1,326	1,283	1,296	1,292	1,280	1,265
Total Nondefense Expenditures	224,720	229,750	235,030	239,908	244,516	248,868	252,726
Total Output	234,320	238,955	243,434	248,309	252,786	257,064	260,844
General government industry	1,961	2,185	2,207	2,257	2,253	2,230	2,198
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	1,099	1,005	959	931	929	940	951
New construction	335	312	251	244	222	196	178
Communications and audio-video equipment	215	182	163	162	158	161	162
Truck transportation	202	180	146	141	136	135	134
Aerospace products and parts	168	150	137	140	136	138	138
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	476	433	399	390	389	395	401
Information and data processing	225	197	185	182	181	188	190
Management of companies and enterprises	184	163	139	139	136	134	133
Banks, credit cards and finance	157	140	119	118	116	114	112
Real estate	118	105	89	88	86	85	84

Note: Numbers may not add to totals due to roundings.

Table 46: Vermont Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	864	800	717	711	688	686	681
Indirect Defense Purchases Resulting from Direct Purchases	417	371	314	313	305	300	295
Induced Defense Purchases Resulting from Direct Pay	173	184	178	180	179	177	175
Total Nondefense Expenditures	40,873	42,043	43,370	44,465	45,471	46,402	47,213
Total Output	42,336	43,410	44,586	45,676	46,651	47,573	48,372
General government industry	184	192	190	192	194	194	193
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Fabricated metal products	172	157	145	144	134	135	134
Aerospace products and parts	66	60	56	57	55	57	58
Petroleum and coal products	74	66	54	51	48	48	48
Professional, scientific and technical services	32	30	28	27	27	26	26
New construction	34	31	25	25	23	20	19
Indirect Defense Purchases Resulting from Direct Purchases							
Real estate	32	28	24	24	23	23	23
Wholesale trade	31	28	23	23	23	22	22
Fabricated metal products	29	26	21	21	20	20	19
Semiconductors and other electronic components	25	22	20	19	19	19	19
Insurance	17	16	13	13	13	12	12

Note: Numbers may not add to totals due to roundings.

Table 47: Virginia Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	78,119	73,346	64,109	64,455	63,602	62,771	62,052
Indirect Defense Purchases Resulting from Direct Purchases	24,123	21,221	17,627	17,606	17,102	16,862	16,659
Induced Defense Purchases Resulting from Direct Pay	9,396	9,992	9,669	9,775	9,759	9,675	9,572
Total Nondefense Expenditures	1,241,421	1,270,474	1,304,009	1,329,618	1,355,676	1,379,278	1,400,259
Total Output	1,353,346	1,375,290	1,395,627	1,421,667	1,446,344	1,468,788	1,488,741
General government industry	19,453	20,931	20,824	21,178	21,203	21,092	20,876
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	21,436	18,665	15,685	15,609	15,101	14,875	14,696
Computer systems design and related services	7,736	6,667	5,584	5,643	5,462	5,468	5,420
Ship and boat building	4,448	4,957	3,397	3,527	3,985	3,624	3,523
Telecommunications	3,889	3,166	2,633	2,645	2,552	2,523	2,502
Apparel	2,667	2,974	2,614	2,503	2,500	2,506	2,492
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	9,291	8,037	6,523	6,540	6,312	6,246	6,192
Administrative and support services	2,301	2,046	1,731	1,726	1,686	1,670	1,655
Computer systems design and related services	1,978	1,750	1,479	1,475	1,439	1,418	1,400
Management of companies and enterprises	1,147	1,018	871	867	848	840	833
Other repair and maintenance, personal services	877	806	709	690	685	661	640

Note: Numbers may not add to totals due to roundings.

Table 48: Washington Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	16,949	16,425	15,015	15,137	14,974	14,892	14,751
Indirect Defense Purchases Resulting from Direct Purchases	7,077	6,298	5,351	5,349	5,222	5,163	5,110
Induced Defense Purchases Resulting from Direct Pay	4,277	4,553	4,407	4,455	4,446	4,409	4,362
Total Nondefense Expenditures	613,792	628,279	646,644	661,691	675,714	689,495	701,627
Total Output	642,557	656,025	671,670	686,895	700,658	714,215	726,091
General government industry	8,028	8,366	8,136	8,216	8,238	8,224	8,167
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Aerospace products and parts	3,347	3,071	2,840	2,916	2,850	2,895	2,887
Professional, scientific and technical services	721	649	556	552	538	519	503
Ship and boat building	460	507	352	365	408	374	364
New construction	434	394	320	312	288	261	243
Maintenance and repair construction	425	342	263	263	246	240	236
Indirect Defense Purchases Resulting from Direct Purchases							
Aerospace products and parts	973	881	802	819	808	818	828
Administrative and support services	528	467	390	390	381	376	373
Management of companies and enterprises	496	440	376	375	367	363	360
Real estate	428	382	324	321	313	309	304
Wholesale trade	420	372	313	312	304	300	296

Note: Numbers may not add to totals due to roundings.

Table 49: West Virginia Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	1,267	1,190	1,070	1,069	1,046	1,035	1,023
Indirect Defense Purchases Resulting from Direct Purchases	1,401	1,239	1,033	1,027	997	979	964
Induced Defense Purchases Resulting from Direct Pay	382	407	394	398	396	393	389
Total Nondefense Expenditures	103,468	107,052	110,395	113,217	115,869	118,464	120,821
Total Output	106,541	109,912	112,905	115,726	118,324	120,885	123,210
General government industry	452	478	480	489	492	492	489
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	128	112	95	94	91	89	88
Truck transportation	93	83	67	65	63	63	62
New construction	82	74	60	59	55	50	46
Maintenance and repair construction	49	40	31	31	29	28	28
Computer systems design and related services	34	31	27	27	27	26	26
Indirect Defense Purchases Resulting from Direct Purchases							
Coal mining	90	77	64	63	61	60	59
Nonmetallic mineral mining	86	73	60	60	57	55	54
Iron and steel	78	68	55	54	53	51	50
Other chemicals	66	59	50	49	48	47	46
Wholesale trade	65	58	48	48	47	47	46

Note: Numbers may not add to totals due to roundings.

Table 50: Wisconsin Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	8,520	6,407	5,157	4,966	4,743	4,865	4,893
Indirect Defense Purchases Resulting from Direct Purchases	6,548	5,873	4,983	4,939	4,824	4,712	4,615
Induced Defense Purchases Resulting from Direct Pay	1,368	1,463	1,412	1,422	1,412	1,397	1,378
Total Nondefense Expenditures	473,973	489,444	506,206	519,385	531,466	542,731	552,768
Total Output	490,545	503,333	517,828	530,784	542,530	553,776	563,721
General government industry	771	805	802	814	821	823	818
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Petroleum and coal products	1,258	1,112	910	869	819	812	804
Motor vehicles	2,209	1,071	666	573	560	675	709
Other transportation equipment	1,001	517	383	355	306	353	392
Truck transportation	488	434	352	341	329	326	323
Offices of physicians, dentists, and other health practitioners	210	200	174	176	173	171	168
Indirect Defense Purchases Resulting from Direct Purchases							
Fabricated metal products	710	618	509	507	491	479	470
Management of companies and enterprises	594	527	451	449	439	435	431
Real estate	460	406	347	349	341	336	332
Automotive repair and maintenance	215	251	276	254	264	236	216
Paper	334	296	250	248	241	237	233

Note: Numbers may not add to totals due to roundings.

Table 51: Wyoming Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	927	873	779	776	763	758	751
Indirect Defense Purchases Resulting from Direct Purchases	955	865	722	718	705	694	688
Induced Defense Purchases Resulting from Direct Pay	251	267	258	260	260	257	254
Total Nondefense Expenditures	57,946	61,016	63,237	65,059	66,908	68,475	69,925
Total Output	60,086	63,027	65,001	66,819	68,641	70,190	71,624
General government industry	458	468	450	453	455	455	453
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Rail transportation	76	68	55	53	52	51	51
Truck transportation	59	52	42	41	39	39	39
New construction	51	45	37	36	34	32	30
Maintenance and repair construction	53	43	33	33	31	30	30
Accommodation	23	20	17	17	16	16	16
Indirect Defense Purchases Resulting from Direct Purchases							
Crude oil extraction	293	279	233	232	234	232	233
Petroleum and coal products	94	84	70	69	66	65	64
Coal mining	62	53	44	44	42	42	41
Nonmetallic mineral mining	59	50	41	41	39	38	37
Rail transportation	49	43	35	35	34	33	33

Note: Numbers may not add to totals due to roundings.

Table 52: Entire United States Summary

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
AGGREGATE MEASURES							
Total Direct Expenditures (Purchases and Pay)	680,022	635,425	563,505	564,484	555,816	550,295	544,183
Indirect Defense Purchases Resulting from Direct Purchases	385,267	343,620	289,499	288,033	281,137	276,746	272,791
Induced Defense Purchases Resulting from Direct Pay	136,402	145,298	140,571	142,001	141,540	140,325	138,765
Total Nondefense Expenditures	28,561,450	29,366,135	30,266,220	31,008,836	31,710,078	32,367,808	32,955,622
Total Output	29,763,140	30,490,478	31,259,795	32,003,353	32,688,570	33,335,174	33,911,361
General government industry	191,871	201,572	197,682	200,094	200,662	200,213	198,684
LARGEST PURCHASES BY INDUSTRIAL SECTORS							
Total Direct Expenditures (Purchases and Pay)							
Professional, scientific and technical services	102,319	92,093	80,873	79,938	78,485	76,755	75,336
Aerospace products and parts	57,865	52,261	47,819	49,052	47,734	48,380	48,266
Ship and boat building	22,650	25,349	17,286	17,946	20,371	18,469	17,931
Offices of physicians, dentists, and other health practioners	18,943	17,981	15,631	15,849	15,530	15,374	15,082
Petroleum and coal products	20,067	17,744	14,514	13,860	13,058	12,945	12,813
Indirect Defense Purchases Resulting from Direct Purchases							
Professional, scientific and technical services	44,348	39,655	33,632	33,492	32,807	32,229	31,745
Management of companies and enterprices	27,609	24,511	20,964	20,883	20,409	20,229	20,054
Administrative and support services	23,287	20,854	17,754	17,663	17,310	17,087	16,885
Wholesale trade	18,463	16,351	13,734	13,686	13,367	13,176	12,991
Real estate	17,107	15,254	12,931	12,862	12,542	12,365	12,184

Note: Numbers may not add to totals due to roundings.

APPENDIX A

**MAPPING FROM INDUSTRIES TO INDUSTRIAL SECTORS,
WITH NAICS CODES**

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	National	NAICS Classification	State Level	
	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
16	1 Oilseed farming	111111-2	1	Crop Production
	2 Grain farming	11113-6, 11119	1	
	3 Vegetable and melon farming	1112	1	
	4 Fruit and nut farming	11131-2, 111331-6, 111339	1	
	5 Greenhouse, nursery, and floriculture production	1114	1	
	6 Tobacco farming	11191	1	Animal Production
	7 Cotton farming	11192	1	
	8 Sugarcane and sugar beet farming	11193, 111991	1	
	9 All other crop farming	11194, 111992, 111998	1	
	10 Cattle ranching and dairy farming	11211, 11212, 11213	2	
	11 Poultry and egg production	1123	2	Forestry, fishing and agriculture support activities
	12 Animal production, except cattle and poultry and eggs	1122, 1124-5, 1129	2	
	13 Forestry and logging	1131-3	3	
	14 Fishing, hunting and trapping	1141-2	3	
	15 Support activities for agriculture and forestry	115	3	
	16 Crude oil extraction	211pt	4	Crude oil extraction
	17 Natural gas extraction	211pt	5	Natural gas extraction
	18 Coal mining	2121	6	Coal Mining
	19 Iron ore mining	21221	7	Metal Ore Mining
	20 Copper, nickel, lead, and zinc mining	21223	7	Nonmetallic mineral mining
	21 Gold, silver, and other metal ore mining	21222, 21229	7	
	22 Stone mining and quarrying	21231	8	
	23 Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying	21232	8	
	24 Other nonmetallic mineral mining and quarrying	21239	8	
	25 Drilling oil and gas wells	213111	9	Support activities for mining
	26 Support activities for oil and gas operations	213112	9	
	27 Support activities for other mining	213113-5	9	
	28 Electric power generation, transmission, and distribution	2211	10	Electric utilities
	29 Natural gas distribution	2212	11	Natural gas distribution
	30 Water, sewage and other systems	2213	12	Water, sewage and other systems
	31 New residential construction	23*	13	New construction
	32 New non-residential building construction	23*	13	
	33 Highway, street, bridge, tunnel, water, sewer, pipeline and other construction	23*	13	
	34 Maintenance and repair of residential structures	23*	14	Maintenance and repair construction
	35 Maintenance and repair of nonresidential buildings, infrastructure and other	23*	14	
	36 Dog and cat food	311111	16	Other foods
	37 Other animal food	311119	16	
	38 Flour milling and malt	31121	16	
	39 Wet corn milling	311221	16	
	40 Soybean and other oilseed processing	311222-3	16	
	41 Fats and oils refining and blending	311225	16	Dairy products, meat and seafood
	42 Breakfast cereals	311230	16	
	43 Sugar manufacturing	311311-3	16	
	44 Chocolate	31132, 31133	16	
	45 Nonchocolate confectionery	31134	16	
	46 Frozen food manufacturing	31141	16	
	47 Fruit and vegetable canning, pickling, and drying	31142	16	
	48 Fluid milk and butter	311511-2	15	
	49 Cheese	311513	15	
	50 Dry, condensed, and evaporated dairy product manufacturing	311514	15	
	51 Ice cream and frozen desserts	311520	15	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
52	Animal (except poultry) slaughtering, rendering, and processing	311611-3	15	
53	Poultry processing	311615	15	
54	Seafood product preparation and packaging	3117	15	
55	Bread and bakery products	31181	16	Other foods
56	Cookies, crackers and tortillas	31182, 31183	16	
57	Snack foods	31191	16	
58	Coffee and tea	31192	16	
59	Flavoring syrup and concentrate	31193	16	
60	Seasonings and dressings	31194	16	
61	All other food	31199	16	
62	Soft drinks and ice	31211	17	Beverages
63	Breweries	31212	17	
64	Wineries	31213	17	
65	Distilleries	31214	17	
66	Tobacco product manufacturing	3122	18	Tobacco
67	Fiber, yarn, and thread mills	3131	19	Textiles and textile products
68	Fabric mills	3132	19	
69	Textile and fabric finishing mills	3133	19	
70	Carpet and rug mills	31411	19	
71	Curtain and linen mills	31412	19	
72	Other textile products	31491, 31499	19	
73	Apparel knitting mills	31511, 31519	20	Apparel
74	Cut and sew apparel	3152	20	
75	Apparel accessories and other apparel	3159	20	
76	Footwear and other leather products	3161	21	Leather products
77	Sawmills and wood preservation	3211	22	Wood products
78	Veneer, plywood, particleboard, and engineered wood products	3212	22	
79	Wood windows and doors and millwork	32191	22	
80	Wood containers and pallets	32192	22	
81	Manufactured homes (mobile homes)	321991	22	
82	Prefabricated wood buildings	321992	22	
83	All other miscellaneous wood products	321999	22	
84	Pulp mills	32211	23	Paper
85	Paper and paperboard mills	32212, 32213	23	
86	Paperboard container manufacturing	32221	23	
87	Coated and laminated paper, packaging paper and plastics film	322221-2	23	
88	All other paper bag and coated and treated paper manufacturing	322223-6	23	
89	Stationery product manufacturing	32223	23	
90	Sanitary paper product manufacturing	322291	23	
91	All other converted paper products	322299	23	
92	Printing	32311□	24	Printing
93	Support activities for printing	32312	24	
94	Petroleum refineries	32411	25	Petroleum and coal products
95	Asphalt products	324121, 324122	25	
96	Lubricating and other petroleum products	324191, 324199	25	
97	Petrochemicals	32511	28	Other chemicals
98	Industrial gases	32512	28	
99	Synthetic dyes and pigments	32513	28	
100	Other basic inorganic chemicals	32518	28	
101	Other basic organic chemicals	32519	28	
102	Plastics materials and resins	325211	26	Resin, synthetic rubber and fibers
103	Synthetic rubber	325212	26	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
104	Artificial and synthetic fibers and filaments	32522	26	
105	Fertilizers	325311-4	28	Other chemicals
106	Pesticides and other agricultural chemicals	325320	28	
107	Pharmaceuticals and medicines	325411-4	27	Pharmaceuticals
108	Paints and coatings	32551	28	Other chemicals
109	Adhesives	32552	28	
110	Soaps and cleaning compounds	32561	28	
111	Toilet preparations	32562	28	
112	Printing ink	32591	28	
113	All other chemical products and preparations	32592, 32599	28	
114	Plastics packaging materials and unlaminated film and sheet	32611	29	Plastic products
115	Plastics pipe, fittings, and profile shapes	32612	29	
116	Laminated plastics plate, sheet (except packaging), and shapes	32613	29	
117	Plastic foam products	32614, 32615	29	
118	Plastic bottles	32616	29	
119	Other plastics products	32619	29	
120	Tires	32621	30	Rubber products
121	Rubber and plastics hoses and beltings	32622	30	
122	Other rubber products	32629	30	
123	Pottery, ceramics, and plumbing fixtures	32711	31	Nonmetallic mineral products
124	Clay building materials and refractories	327122,4,5	31	
125	Glass and glass products, exc containers	327211-2, 327215	31	
126	Glass containers	327213	31	
127	Cement	32731	31	
128	Ready-mix concrete	32732	31	
129	Concrete pipe, brick, and blocks	32733	31	
130	Other concrete products	32739	31	
131	Lime and gypsum products	3274	31	
132	Abrasive products	32791	31	
133	Cut stone and stone products	327991	31	
134	Other non-metallic mineral products	327992,3,9	31	
135	Primary ferrous metal products	3311, 3312	32	Iron and steel
136	Primary aluminum production	331311,2,4	33	Nonferrous metals
137	Aluminum product manufacturing from purchased aluminum	331315, 331316, 331319	33	
138	Primary smelting and refining of copper	331411	33	
139	Primary smelting and refining of nonferrous metal (except copper and aluminum)	331419	33	
140	Copper rolling, drawing, extruding and alloying	33142	33	
141	Nonferrous metal (except copper and aluminum) rolling, drawing, extruding and alloying	33149	33	
142	Ferrous metal foundries	33151	32	Iron and steel
143	Nonferrous metal foundries	33152	33	Nonferrous metals
144	Forging and stamping	33211	34	Fabricated metal products
145	Cutlery, utensils, pots, and pans	332211, 332214	34	
146	Handtools	332212-3	34	
147	Plate work and fabricated structural products	33231	34	
148	Ornamental and architectural metal products	33232	34	
149	Power boilers and heat exchangers	33241	34	
150	Metal tanks (heavy gauge)	33242	34	
151	Metal cans, boxes, and other metal containers (light gauge)	33243	34	
152	Ammunition	332992-3	34	
153	Arms, ordnance, and accessories	332994-5	34	
154	Hardware manufacturing	3325	34	
155	Springs and wire products	3326	34	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
156	Machine shops	33271	34	
157	Turned products and screws, nuts, and bolts	33272	34	
158	Coating, engraving, heat treating and allied activities	3328	34	
159	Metal valves	33291-3, 332919	34	
160	Ball and roller bearings	332991	34	
161	Fabricated pipe and pipe fittings	332996	34	
162	Other fabricated metal products	332997-9	34	
163	Farm machinery and equipment	333111	35	Agriculture, construction and mining machinery
164	Lawn and garden equipment	333112	35	
165	Construction machinery	33312	35	
166	Mining and oil and gas field machinery	33313	35	
167	Other industrial machinery	33321, 333291-4, 333298	36	Industrial machinery
168	Plastics and rubber industry machinery	33322	36	
169	Semiconductor machinery manufacturing	333295	36	
170	Vending, commercial, industrial, and office machinery	333311-3	37	Commercial and service industry machinery
171	Optical instruments and lenses	333314	37	
172	Photographic and photocopying equipment	333315	37	
173	Other commercial and service industry machinery	333319	38	Ventilation, heating, air-conditioning and ventilation equipment
174	Air purification and ventilation equipment	333411-2	38	
175	Heating equipment (except warm air furnaces)	333414	38	
176	Air conditioning, refrigeration, and warm air heating equipment	333415	38	
177	Industrial molds	333511	39	Metalworking machinery
178	Metal cutting and forming machine tools	333512-3	39	
179	Special tools, dies, jigs, and fixtures	333514	39	
180	Cutting tool and machine tool accessories	333515	39	
181	Rolling mill and other metalworking machinery	333516, 333518	39	
182	Turbine and turbine generator set units	333611	40	Engine, turbine and power transmission equipment
183	Speed changers and mechanical power transmission equipment	333612, 333613	40	
184	Other engine equipment	333618	40	
185	Pump and pumping equipment	333911, 333913	41	Other general purpose machinery
186	Air and gas compressors	333912	41	
187	Material handling equipment	333921-4	41	
188	Power-driven handtool manufacturing	333991	41	
189	Other general purpose machinery	333992, 333997, 333999	41	
190	Packaging machinery	333993	41	
191	Industrial process furnaces and ovens	333994	41	
192	Fluid power process machinery	333995-6	41	
193	Computers	334111	42	Computers and peripheral equipment
194	Computer storage devices	334112	42	
195	Computer terminals and other computer peripherals	334113, 334119	42	
196	Telephone apparatus	33421	43	Communications and audio-video equipment
197	Broadcast and wireless communications equipment	33422	43	
198	Other communications equipment	33429	43	
199	Audio and video equipment	3343	43	
200	Semiconductors and electron tubes	334411, 334413	44	Semiconductors and other electronic components
201	All other electronic components	334414,2,4-6,7-9	44	
202	Electromedical and electrotherapeutic apparatus	334510	45	Electromedical and electrotherapeutic apparatusw
203	Search, detection, and navigation instruments	334511	46	Search, detection and navigation equipment
204	Automatic environmental controls	334512	47	Measuring and control instruments
205	Industrial process variable instruments	334513	47	
206	Totalizing fluid meters and counting devices	334514	47	
207	Electricity and signal testing instruments	334515	47	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
208	Analytical laboratory instruments	334516	47	
209	Irradiation apparatus manufacturing	334517	45	Electromedical and electrotherapeutic apparatusw
210	Watch, clock, and other measuring and controlling devices	334518-9	47	Measuring and control instruments
211	Software, audio, and video media reproducing	334611-2	48	Magnetic and optical media
212	Magnetic and optical recording media	334613	48	
213	Electric lamp bulbs and parts	33511	51	Other electrical equipment and components
214	Lighting fixtures	33512	51	
215	Small electrical appliances	33521	49	Household appliances
216	Household cooking appliances	335221	49	
217	Household refrigerators and home freezers	335222	49	
218	Household laundry equipment	335224	49	
219	Other major household appliances	335228	49	
220	Power, distribution, and specialty transformers	335311	50	Electrical equipment
221	Motors and generators	335312	50	
222	Switchgear and switchboard apparatus	335313	50	
223	Relays and industrial controls	335314	50	
224	Storage batteries	335911	51	Other electrical equipment and components
225	Primary battery manufacturing	335912	51	
226	Communication and energy wires and cables	33592	51	
227	Wiring devices	33593	51	
228	Carbon and graphite and miscellaneous electrical equipment	335991, 335999	51	
229	Automobiles	336111-2	52	Motor vehicles
230	Heavy duty trucks	336120	52	
231	Motor vehicle bodies	336211	52	
232	Truck trailer manufacturing	336212	52	
233	Motor homes, trailers and campers	336213, 336214	52	
234	Motor vehicle parts	3363	53	Motor vehicle parts
235	Aircraft	336411	54	Aerospace products and parts
236	Aircraft engines and engine parts	336412	54	
237	Other aircraft parts and auxiliary equipment	336413	54	
238	Guided missiles and space vehicles	336414	54	
239	Propulsion units and parts for space vehicles and guided missiles	336415, 336419	54	
240	Railroad rolling stock	3365	56	Other transportation equipment
241	Ship building and repairing	336611	55	Ship and boat building
242	Boat building	336612	55	
243	Motorcycles, bicycles, and parts	336991	56	Other transportation equipment
244	Military armored vehicles, tanks, and tank components	336992	56	
245	All other transportation equipment	336999	56	
246	Wood kitchen cabinet and countertops	33711	57	Furniture
247	Household and institutional furniture	33712	57	
248	Office furniture (including fixtures)	33721	57	
249	Mattresses, blinds and shades	33791, 33792	57	
250	Laboratory apparatus and furniture	339111	58	Medical equipment and supplies, dental labs
251	Surgical and medical instruments	339112	58	
252	Surgical appliances and supplies	339113	58	
253	Dental equipment and supplies	339114	58	
254	Ophthalmic goods	339115	59	Ophthalmic goods
255	Dental laboratories	339116	58	Medical equipment and supplies, dental labs
256	Jewelry and silverware	33991	60	Miscellaneous manufacturing
257	Sporting and athletic goods	33992	60	
258	Dolls, toys, and games	33993	60	
259	Office supplies (except paper)	33994	60	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
260	Sign manufacturing	33995	60	
261	Gasket, packing, and sealing devices	339991	60	
262	Musical instruments	339992	60	
263	All other miscellaneous manufacturing	339993, 339995, 339999	60	
264	Broom, brush, and mop manufacturing	339994	60	
265	Wholesale trade	42	61	Wholesale trade
266	Retail trade	44, 45	62	Retail trade
267	Air transportation	481	63	Air transportation
268	Rail transportation	482	64	Rail transportation
269	Water transportation	483	65	Water transportation
270	Truck transportation	484	66	Truck transportation
271	Transit and ground passenger transportation	485	67	Transit and ground passenger transportation
272	Pipeline transportation	486	68	Pipeline transportation
273	Scenic and sightseeing transportation and support activities for transportation	487, 488	69	Transportation support, sightseeing, couriers
274	Couriers and messengers	492	69	
275	Warehousing and storage	493	70	Warehousing and storage
276	Newspaper publishers	51111	71	Publishing, except software
277	Periodical publishers	51112	72	Software
278	Book publishers	51113	71	Publishing, except software
279	Directory, mailing list, and other publishers	51114, 51119	71	
280	Software publishers	51121	71	
281	Motion picture and video industries	5121	73	Motion picture and sound recording
282	Sound recording industries	5122	73	
283	Radio and television broadcasting	5151	74	
284	Cable and internet	5152, 516	74	
285	Telecommunications	517	75	
286	Data processing, hosting and internet service providers	5181, 5182	76	
287	Other information services	519	76	
288	Monetary authorities and depository credit intermediation	521, 5221	77	Banks, credit cards and finance
289	Nondepository credit intermediation and related activities	5222-3	77	
290	Securities, commodity contracts, investments, and related activities	523	78	Securities, investments, funds and trusts
291	Insurance carriers	5241	79	Insurance
292	Insurance agencies, brokerages, and related activities	5242	79	
293	Funds, trusts, and other financial vehicles	525	78	Securities, investments, funds and trusts
294	Real estate	531	80	Real estate
295	Owner-occupied dwellings	500800	81	Owner-occupied dwellings
296	Automotive equipment rental and leasing	5321	82	Rental and leasing of goods
297	General and consumer goods rental except video tapes and discs	53221-2, 53229, 5323	82	
298	Video tape and disc rental	53223	82	
299	Commercial and industrial machinery and equipment rental and leasing	5324	82	
300	Lessors of nonfinancial intangible assets	533	83	Royalties
301	Legal services	5411	84	Legal services
302	Accounting, tax preparation, bookkeeping, and payroll services	5412	85	Professional, scientific and technical services
303	Architectural, engineering, and related services	5413	85	
304	Specialized design services	5414	85	
305	Custom computer programming services	541511	86	Computer systems design and related services
306	Computer systems design services	541512	86	
307	Other computer related services, including facilities management	541513, 541519	86	
308	Management, scientific, and technical consulting services	54161	85	Professional, scientific and technical services
309	Environmental and other technical consulting services	54162, 54169	85	
310	Scientific research and development services	5417	85	
311	Advertising and related services	5418	85	

Mapping From Industries to Industrial Sectors, with NAICS Codes

Ind #	Industry Title	Classification Code(s)	Sec #	Industrial Sector Title
312	All other miscellaneous professional, scientific, and technical services	54191, 54193, 54199	85	
313	Photographic services	54192	85	
314	Veterinary services	54194	85	
315	Management of companies and enterprises	55	87	Management of companies and enterprises
316	Office administrative services	5611	88	Administrative and support services
317	Facilities support services	5612	88	
318	Business support services	5614	88	
319	Investigation and security services	5616	88	
320	Services to buildings and dwellings	5617	88	
321	Other support services	5619	88	
322	Employment services	5613	88	
323	Travel arrangement and reservation services	5615	88	
324	Waste management and remediation services	562	89	Waste management and remediation
325	Elementary and secondary schools	6111	90	Educational services
326	Junior colleges, colleges, universities, and professional schools	6112-3	90	
327	Other educational services	6114-7	90	
328	Offices of physicians, dentists, and other health practitioners	6211-3	92	Offices of physicians, dentists, and other health practitioners
329	Medical and diagnostic labs and outpatient and other ambulatory care services	6214-5, 6219	93	Other ambulatory health care services
330	Home health care services	6216	91	Home health care services
331	Hospitals	622	94	Hospitals
332	Nursing and residential care facilities	623	95	Nursing and residential care facilities
333	Social assistance, except child day care services	6241-3	96	Child care and social assistance
334	Child day care services	6244	96	
335	Performing arts	7111, 7113, 7114, 7115,	97	Performing arts, spectator sports and museums
336	Museums, historical sites, zoos, and parks	712	97	
337	Spectator sports	7112	97	
338	Amusements, gambling, & recreation activities	7131-2, 71391-3, 71394, 71395, 71399	98	Amusements, gambling and recreation
339	Hotels and other accommodations	72111-2, 72119, 7212-3	99	Accommodation
340	Food services and drinking places	722	100	Food services and drinking places
341	Automotive repair, maintenance and car washes	8111	101	Automotive repair and maintenance
342	Electronic and precision equipment repair and maintenance	8112	102	Other repair and maintenance, personal services
343	Commercial and industrial machinery and equipment repair and maintenance	8113	102	
344	Personal and household goods repair and maintenance	8114	102	
345	Personal care services	8121	102	
346	Death care services	8122	102	
347	Dry-cleaning and laundry services	8123	102	
348	Other personal services	8129	102	
349	Religious, grantmaking, civic & professional organizations	813	103	Religious, grantmaking and other organizations
350	Private households	814	104	Private households
351	Postal service	491	105	Postal service and federal government enterprises
352	Other federal government enterprises	S00102	105	
353	Other state and local government enterprises	S00203	106	State and local government enterprises
354	General Federal defense government services	S00500	107	General government industry
355	General Federal nondefense government services	S00600	107	
356	General state and local government services	S00700	107	
357	Noncomparable imports	S00300	108	Noncomparable imports
358	Scrap	S00401	109	Scrap, used and secondhand
359	Used and secondhand goods	S00402	109	
360	Rest of the world adjustment	S00900	110	Rest of the world adjustment to final uses

1: Oilseed farming

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		119	110	94	93	89	86	83
Total:		119	110	94	93	89	86	83

2: Grain farming

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		3	3	2	2	2	2	2
Indirect Purchases		559	524	454	452	440	433	422
Total:		561	526	456	455	443	435	425

3: Vegetable and melon farming

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		458	444	391	394	385	381	374
Indirect Purchases		69	65	56	57	55	55	53
Total:		527	509	447	451	440	436	427

Note: Numbers may not add due to rounding

4: Fruit and nut farming

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	71	67	58	58	57	56	55
Total:	71	67	58	58	57	56	55

5: Greenhouse, nursery, and floriculture production

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	1	1	1	1	1	1
Indirect Purchases	35	31	26	26	25	25	24
Total:	37	33	27	27	26	26	25

6: Tobacco farming

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	3	3	2	3	2	2	2
Total:	3	3	3	3	3	3	2

Note: Numbers may not add due to rounding

7: Cotton farming

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		29	29	24	23	22	21	21
Total:		30	29	24	23	22	21	21

8: Sugarcane and sugar beet farming

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		37	35	31	31	30	30	29
Total:		37	35	31	31	30	30	29

9: All other crop farming

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		0	0	0	0	0	0	0
Indirect Purchases		329	302	259	258	251	246	240
Total:		329	303	259	258	251	246	241

Note: Numbers may not add due to rounding

10: Cattle ranching and dairy farming

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	48	47	41	42	41	40	40
Indirect Purchases	925	880	767	770	751	743	729
Total:	973	927	808	812	792	783	768

11: Poultry and egg production

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	78	76	67	67	65	65	63
Indirect Purchases	335	320	279	282	276	273	268
Total:	413	395	346	349	341	337	331

12: Animal production, except cattle and poultry and eggs

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12	10	8	7	7	6	6
Indirect Purchases	297	281	244	244	239	236	231
Total:	309	291	252	251	246	242	237

Note: Numbers may not add due to rounding

13: Forestry and logging

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	3	3	3	3	3
Indirect Purchases	1,032	907	741	730	693	673	658
Total:	1,037	910	744	733	695	676	661

14: Fishing, hunting and trapping

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	73	71	62	62	61	61	59
Indirect Purchases	137	125	106	106	104	102	101
Total:	210	195	168	169	165	163	161

15: Support activities for agriculture and forestry

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	61	51	42	42	40	40	39
Indirect Purchases	292	272	234	234	227	223	219
Total:	353	323	276	276	268	263	258

Note: Numbers may not add due to rounding

16: Crude oil extraction

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	58	44	33	29	20	19	19
Indirect Purchases	30,157	26,711	22,063	21,422	20,439	20,195	19,947
Total:	30,215	26,755	22,097	21,451	20,460	20,214	19,966

18: Coal mining

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	9	8	8	8	8	8
Indirect Purchases	980	845	700	696	674	661	652
Total:	992	855	708	703	681	668	659

19: Iron ore mining

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	258	226	181	181	177	170	167
Total:	258	226	181	181	177	170	167

Note: Numbers may not add due to rounding

20: Copper, nickel, lead, and zinc mining

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	252	224	189	188	181	178	175
Total:	252	224	189	188	181	178	175

21: Gold, silver, and other metal ore mining

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	8	7	7	7	7	7
Indirect Purchases	130	115	97	97	94	94	93
Total:	138	122	104	105	101	101	100

22: Stone mining and quarrying

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14	12	9	8	7	5	4
Indirect Purchases	491	414	330	328	310	300	294
Total:	504	426	338	336	317	306	298

Note: Numbers may not add due to rounding

23: Sand, gravel, clay, and ceramic and refractory minerals mining and quarrying

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	20	20	14	13	11	7	5
Indirect Purchases	352	311	266	268	252	242	239
Total:	372	331	280	280	263	250	244

24: Other nonmetallic mineral mining and quarrying

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	2	2	2	1	1	1
Indirect Purchases	91	78	65	65	63	61	60
Total:	94	81	67	67	64	62	61

25: Drilling oil and gas wells

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	0	0	0	0	0
Indirect Purchases	0	0	0	0	0	0	0
Total:	1	1	0	0	0	0	0

Note: Numbers may not add due to rounding

26: Support activities for oil and gas operations

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	0	0	0	0	0
Indirect Purchases	123	115	96	95	95	94	94
Total:	124	116	97	96	95	94	95

27: Support activities for other mining

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	2	2	1	1	1	1
Indirect Purchases	80	70	59	59	57	55	54
Total:	84	73	61	60	58	56	55

28: Electric power generation, transmission, and distribution

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,030	4,040	3,316	3,292	3,144	3,099	3,081
Indirect Purchases	6,688	5,968	5,019	4,993	4,866	4,789	4,719
Total:	11,717	10,009	8,335	8,285	8,010	7,888	7,800

Note: Numbers may not add due to rounding

29: Natural gas distribution

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	892	718	595	593	569	562	560
Indirect Purchases	2,461	2,197	1,837	1,814	1,756	1,730	1,705
Total:	3,353	2,915	2,432	2,407	2,326	2,292	2,264

30: Water, sewage and other systems

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,117	891	720	707	663	652	647
Indirect Purchases	576	504	418	416	403	396	389
Total:	1,693	1,395	1,138	1,123	1,066	1,048	1,036

31: New residential construction

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	366	363	276	279	245	199	163
Indirect Purchases	34	29	25	24	24	23	23
Total:	400	393	301	304	269	223	186

Note: Numbers may not add due to rounding

32: New non-residential building construction

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14,708	13,089	10,748	10,574	9,869	9,187	8,722
Indirect Purchases	12	12	12	11	12	12	10
Total:	14,720	13,101	10,760	10,585	9,881	9,199	8,733

33: Highway, street, bridge, tunnel, water, sewer, pipeline and other construction

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,805	1,875	1,418	1,303	1,105	789	581
Indirect Purchases	1	2	2	1	1	1	1
Total:	1,807	1,877	1,419	1,305	1,106	790	582

34: Maintenance and repair of residential structures

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	328	271	217	225	215	213	213
Indirect Purchases	171	150	126	124	121	119	117
Total:	498	421	343	349	336	332	330

Note: Numbers may not add due to rounding

35: Maintenance and repair of nonresidential buildings, infrastructure and other

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16,416	13,192	10,126	10,137	9,464	9,227	9,081
Indirect Purchases	4,693	4,218	3,596	3,572	3,509	3,453	3,398
Total:	21,109	17,411	13,722	13,710	12,973	12,679	12,479

36: Dog and cat food

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	35	34	30	30	30	30	29
Indirect Purchases	1	1	1	1	1	1	1
Total:	36	35	31	31	31	30	30

37: Other animal food

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	28	27	24	24	24	23	23
Indirect Purchases	336	318	277	277	271	267	262
Total:	364	345	301	301	295	291	285

Note: Numbers may not add due to rounding

38: Flour milling and malt

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	8	7	7	7	7	7
Indirect Purchases	75	72	62	63	61	60	59
Total:	84	80	70	70	68	67	66

39: Wet corn milling

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	113	104	90	90	88	86	85
Total:	113	104	90	90	88	86	85

40: Soybean and other oilseed processing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	217	203	174	174	169	166	162
Total:	217	203	174	174	169	166	163

Note: Numbers may not add due to rounding

41: Fats and oils refining and blending

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14	13	12	12	12	12	11
Indirect Purchases	94	87	75	75	73	72	70
Total:	107	101	87	87	84	83	82

42: Breakfast cereals

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	74	72	63	64	63	62	61
Indirect Purchases	4	3	3	3	3	3	2
Total:	78	75	66	67	65	65	63

43: Sugar manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	30	29	26	26	25	25	25
Indirect Purchases	84	80	70	71	69	68	67
Total:	114	109	96	97	95	94	92

Note: Numbers may not add due to rounding

44: Chocolate

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	176	171	151	153	150	149	146
Indirect Purchases	40	38	33	33	32	32	31
Total:	216	209	184	186	183	181	178

45: Nonchocolate confectionery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	107	104	92	93	92	91	89
Indirect Purchases	14	12	10	10	10	10	9
Total:	121	116	102	103	101	101	99

46: Frozen food manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	94	91	80	81	79	78	77
Indirect Purchases	60	54	46	46	45	44	44
Total:	154	145	126	127	124	122	120

Note: Numbers may not add due to rounding

47: Fruit and vegetable canning, pickling, and drying(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	339	329	289	292	285	282	277
Indirect Purchases	120	110	93	93	91	89	88
Total:	459	438	383	385	376	372	365

48: Fluid milk and butter(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	302	292	256	257	249	246	242
Indirect Purchases	107	99	85	85	83	81	80
Total:	409	391	341	342	332	328	321

49: Cheese(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	164	159	140	140	136	134	132
Indirect Purchases	185	168	143	143	139	137	135
Total:	349	327	283	283	275	272	267

Note: Numbers may not add due to rounding

50: Dry, condensed, and evaporated dairy product manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	71	69	60	60	59	58	57
Indirect Purchases	58	53	46	46	44	44	43
Total:	129	122	106	106	103	102	100

51: Ice cream and frozen desserts

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	47	45	40	40	39	38	38
Indirect Purchases	67	60	50	50	49	48	47
Total:	114	105	90	90	88	86	85

52: Animal (except poultry) slaughtering, rendering, and processing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	811	788	695	703	690	683	670
Indirect Purchases	594	554	475	474	462	456	448
Total:	1,405	1,343	1,170	1,177	1,152	1,139	1,118

Note: Numbers may not add due to rounding

53: Poultry processing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	415	403	355	360	353	350	343
Indirect Purchases	182	167	143	143	140	138	136
Total:	597	570	498	503	492	487	479

54: Seafood product preparation and packaging

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	66	64	56	57	56	55	54
Indirect Purchases	104	93	78	78	76	75	74
Total:	170	157	135	135	132	130	128

55: Bread and bakery products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	392	381	335	339	332	329	322
Indirect Purchases	77	68	57	57	55	54	53
Total:	469	449	393	396	387	383	376

Note: Numbers may not add due to rounding

56: Cookies, crackers and tortillas

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	176	171	151	152	149	147	145
Indirect Purchases	29	27	23	22	22	22	21
Total:	206	198	173	175	171	169	166

57: Snack foods

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	81	79	69	70	68	68	66
Indirect Purchases	46	41	35	35	34	33	33
Total:	127	120	104	105	102	101	99

58: Coffee and tea

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	48	47	41	42	40	40	39
Indirect Purchases	32	29	25	25	24	24	23
Total:	81	76	66	66	64	64	63

Note: Numbers may not add due to rounding

59: Flavoring syrup and concentrate

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		336	315	273	274	267	264	259
Total:		336	315	273	274	267	264	259

60: Seasonings and dressings

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		191	186	164	166	163	162	159
Indirect Purchases		73	66	57	57	55	54	54
Total:		264	252	221	223	219	216	212

61: All other food

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		58	56	49	50	49	48	47
Indirect Purchases		79	72	62	62	61	60	59
Total:		137	128	111	112	109	108	106

Note: Numbers may not add due to rounding

62: Soft drinks and ice

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	468	450	393	396	385	381	373
Indirect Purchases	73	66	55	55	54	53	52
Total:	541	515	448	451	439	434	426

63: Breweries

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Indirect Purchases	19	17	14	14	13	13	13
Total:	19	17	14	14	13	13	13

64: Wineries

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	31	27	23	23	22	22	22
Total:	31	28	24	23	23	22	22

Note: Numbers may not add due to rounding

65: Distilleries

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		65	58	49	48	47	46	46
Total:		65	58	49	48	47	46	46

66: Tobacco product manufacturing

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		151	147	130	132	130	129	127
Indirect Purchases		5	5	4	4	4	4	4
Total:		156	152	135	137	135	133	131

67: Fiber, yarn, and thread mills

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		2	2	2	1	1	1	1
Indirect Purchases		289	290	246	236	229	228	225
Total:		291	292	247	237	230	229	226

Note: Numbers may not add due to rounding

68: Fabric mills

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	13	11	8	8	7	7	6
Indirect Purchases	831	826	702	677	658	655	648
Total:	844	838	710	685	665	662	655

69: Textile and fabric finishing mills

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	35	28	21	19	15	14	14
Indirect Purchases	727	732	620	595	577	574	568
Total:	762	760	641	613	592	588	582

70: Carpet and rug mills

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9	8	6	7	6	6	6
Indirect Purchases	142	125	110	114	110	112	110
Total:	151	133	117	120	117	117	115

Note: Numbers may not add due to rounding

71: Curtain and linen mills

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	18	15	15	15	14	14
Indirect Purchases	23	20	16	16	16	16	15
Total:	41	38	32	31	30	30	30

72: Other textile products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	486	388	279	265	231	224	219
Indirect Purchases	564	526	448	449	445	446	439
Total:	1,050	914	727	714	676	670	658

73: Apparel knitting mills

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	24	27	23	22	22	22	21
Indirect Purchases	29	30	26	24	24	24	23
Total:	53	56	49	46	45	45	45

Note: Numbers may not add due to rounding

74: Cut and sew apparel

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,185	2,347	2,036	1,948	1,908	1,908	1,896
Indirect Purchases	348	339	289	281	275	273	270
Total:	2,533	2,686	2,326	2,229	2,182	2,181	2,166

75: Apparel accessories and other apparel

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,169	3,351	2,866	2,725	2,682	2,678	2,659
Indirect Purchases	213	226	194	185	183	183	182
Total:	3,382	3,577	3,060	2,911	2,865	2,861	2,841

76: Footwear and other leather products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	299	310	265	253	244	244	242
Indirect Purchases	149	141	119	115	111	111	110
Total:	449	452	384	367	356	355	352

Note: Numbers may not add due to rounding

77: Sawmills and wood preservation

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	936	798	639	630	598	578	564
Total:	938	800	641	631	599	579	565

78: Veneer, plywood, particleboard, and engineered wood products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	96	80	59	42	13	9	7
Indirect Purchases	489	426	344	339	320	308	298
Total:	585	506	403	380	333	317	305

79: Wood windows and doors and millwork

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	4	3	3	2	2	1
Indirect Purchases	477	414	333	330	315	302	292
Total:	481	417	336	332	317	303	294

Note: Numbers may not add due to rounding

80: Wood containers and pallets

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	88	66	55	57	55	54	54
Indirect Purchases	143	122	98	98	94	92	90
Total:	231	188	153	155	149	146	145

81: Manufactured homes (mobile homes)

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	13	11	7	7	6	5	4
Indirect Purchases	7	6	5	5	4	4	4
Total:	20	16	12	11	10	9	8

82: Prefabricated wood buildings

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	13	11	9	9	9	8	8
Indirect Purchases	63	55	45	44	41	39	37
Total:	76	67	54	53	50	47	45

Note: Numbers may not add due to rounding

83: All other miscellaneous wood products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	154	136	113	112	108	106	103
Total:	156	137	114	113	109	107	104

84: Pulp mills

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	159	141	119	119	115	113	111
Total:	159	141	119	119	115	113	112

85: Paper and paperboard mills

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	97	93	81	82	80	80	78
Indirect Purchases	2,247	1,975	1,671	1,656	1,611	1,589	1,569
Total:	2,344	2,068	1,752	1,738	1,691	1,669	1,647

Note: Numbers may not add due to rounding

86: Paperboard container manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16	13	9	9	6	6	6
Indirect Purchases	1,307	1,170	977	971	944	926	912
Total:	1,324	1,183	986	980	950	933	918

87: Coated and laminated paper, packaging paper and plastics film

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	17	15	12	12	11	11	11
Indirect Purchases	348	306	260	258	251	248	245
Total:	365	321	272	270	263	259	256

88: All other paper bag and coated and treated paper manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29	29	25	25	25	25	24
Indirect Purchases	92	84	72	72	70	70	68
Total:	121	112	97	98	95	94	93

Note: Numbers may not add due to rounding

89: Stationery product manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	2	2	2	1	1	1
Indirect Purchases	75	66	56	55	53	53	52
Total:	77	68	57	57	55	54	54

90: Sanitary paper product manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	6	5	5	5	4	4	4
Total:	7	7	6	6	6	6	5

91: All other converted paper products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	53	50	43	44	43	42	42
Indirect Purchases	46	42	36	36	35	35	34
Total:	98	92	79	80	78	77	76

Note: Numbers may not add due to rounding

92: Printing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,659	2,213	1,970	1,914	1,879	1,887	1,895
Indirect Purchases	1,529	1,359	1,152	1,147	1,117	1,103	1,089
Total:	4,188	3,573	3,123	3,061	2,996	2,991	2,984

93: Support activities for printing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	8	7	7	7	7	7
Indirect Purchases	222	193	165	164	159	158	156
Total:	232	201	172	171	166	165	163

94: Petroleum refineries

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	20,037	17,716	14,490	13,836	13,035	12,922	12,791
Indirect Purchases	16,865	15,022	12,523	12,330	11,893	11,718	11,545
Total:	36,902	32,738	27,013	26,166	24,928	24,640	24,335

Note: Numbers may not add due to rounding

95: Asphalt products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	3	3	2	2	2
Indirect Purchases	536	458	367	364	343	329	319
Total:	540	461	370	367	346	331	321

96: Lubricating and other petroleum products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	27	25	21	22	20	21	21
Indirect Purchases	524	462	382	377	362	355	349
Total:	551	487	403	398	383	376	369

97: Petrochemicals

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	0	0	0	0	0
Indirect Purchases	1,590	1,429	1,190	1,176	1,136	1,116	1,098
Total:	1,591	1,430	1,190	1,176	1,136	1,117	1,099

Note: Numbers may not add due to rounding

98: Industrial gases

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	98	77	54	41	18	16	15
Indirect Purchases	311	277	233	232	225	221	218
Total:	409	354	288	273	244	237	233

99: Synthetic dyes and pigments

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	2	2	2	2	2	2
Indirect Purchases	276	246	204	202	196	191	188
Total:	279	248	206	204	197	193	190

100: Other basic inorganic chemicals

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	25	21	16	15	14	14	13
Indirect Purchases	1,061	938	797	787	760	750	740
Total:	1,086	959	813	802	774	764	754

Note: Numbers may not add due to rounding

101: Other basic organic chemicals

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	13	11	8	8	7	7	7
Indirect Purchases	2,399	2,143	1,796	1,776	1,717	1,689	1,661
Total:	2,412	2,154	1,804	1,785	1,724	1,696	1,669

102: Plastics materials and resins

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	49	42	34	34	32	32	32
Indirect Purchases	3,083	2,747	2,273	2,257	2,190	2,145	2,103
Total:	3,132	2,789	2,307	2,291	2,222	2,177	2,135

103: Synthetic rubber

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	324	281	233	230	218	216	212
Total:	326	282	234	231	219	216	212

Note: Numbers may not add due to rounding

104: Artificial and synthetic fibers and filaments

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	0	0	0
Indirect Purchases	398	370	306	296	282	279	272
Total:	399	371	306	297	282	279	273

105: Fertilizers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	398	358	301	298	286	278	271
Total:	398	358	301	298	286	279	272

106: Pesticides and other agricultural chemicals

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5	4	2	2	2	2	2
Indirect Purchases	125	117	101	101	98	96	94
Total:	130	120	103	103	100	98	96

Note: Numbers may not add due to rounding

107: Pharmaceuticals and medicines

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,053	916	727	641	485	463	448
Indirect Purchases	1,466	1,365	1,171	1,164	1,113	1,095	1,071
Total:	2,519	2,280	1,898	1,805	1,598	1,558	1,519

108: Paints and coatings

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	46	37	28	29	27	26	26
Indirect Purchases	1,000	892	716	720	712	693	680
Total:	1,046	930	745	749	739	719	706

109: Adhesives

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	6	5	5	5	5	5
Indirect Purchases	238	207	171	168	161	158	155
Total:	246	213	176	173	166	162	160

Note: Numbers may not add due to rounding

110: Soaps and cleaning compounds

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	575	559	493	500	492	488	479
Indirect Purchases	479	434	371	368	358	353	347
Total:	1,053	993	864	868	851	841	826

111: Toilet preparations

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	40	39	34	35	34	34	33
Indirect Purchases	36	33	28	28	27	27	26
Total:	76	72	63	63	62	61	60

112: Printing ink

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	281	244	209	206	201	199	197
Total:	282	244	209	207	202	200	198

Note: Numbers may not add due to rounding

113: All other chemical products and preparations

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	905	826	735	706	672	672	681
Indirect Purchases	1,259	1,118	956	948	917	905	893
Total:	2,163	1,943	1,690	1,655	1,589	1,577	1,574

114: Plastics packaging materials and unlaminated film and sheet

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	60	55	47	47	45	44	43
Indirect Purchases	1,177	1,062	872	875	862	844	829
Total:	1,237	1,117	919	922	907	888	872

115: Plastics pipe, fittings, and profile shapes

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	33	27	20	20	18	17	16
Indirect Purchases	825	797	614	621	639	603	588
Total:	858	824	634	641	657	620	604

Note: Numbers may not add due to rounding

116: Laminated plastics plate, sheet (except packaging), and shapes

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	20	14	9	8	7	7	6
Indirect Purchases	119	109	89	90	89	87	85
Total:	140	123	98	98	96	93	91

117: Plastic foam products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12	9	7	6	6	7	7
Indirect Purchases	426	376	317	317	306	301	295
Total:	438	386	324	323	312	308	302

118: Plastic bottles

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	0	0	0	0	0
Indirect Purchases	145	134	116	118	115	114	112
Total:	146	135	117	118	115	114	112

Note: Numbers may not add due to rounding

119: Other plastics products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	70	62	51	51	48	47	46
Indirect Purchases	3,128	2,777	2,325	2,333	2,266	2,216	2,182
Total:	3,198	2,840	2,377	2,384	2,313	2,263	2,228

120: Tires

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	66	57	46	46	39	36	35
Indirect Purchases	425	334	265	258	249	250	247
Total:	490	391	311	304	288	286	282

121: Rubber and plastics hoses and beltings

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	39	35	26	27	24	22	20
Indirect Purchases	119	97	76	75	73	71	70
Total:	158	131	102	102	97	93	89

Note: Numbers may not add due to rounding

122: Other rubber products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	35	30	23	22	19	19	18
Indirect Purchases	583	494	413	409	400	396	389
Total:	619	524	436	431	420	415	407

123: Pottery, ceramics, and plumbing fixtures

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	25	23	20	20	20	19	19
Indirect Purchases	77	68	56	55	52	50	48
Total:	102	91	76	76	72	69	67

124: Clay building materials and refractories

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	2	2	2	2	2
Indirect Purchases	238	210	171	170	162	155	149
Total:	242	213	174	172	164	156	151

Note: Numbers may not add due to rounding

125: Glass and glass products, exc containers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	34	24	17	15	12	12	12
Indirect Purchases	710	647	523	522	522	504	491
Total:	745	672	540	537	534	516	503

126: Glass containers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	31	29	24	24	24	23	23
Total:	31	29	25	25	24	24	23

127: Cement

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	185	162	132	131	124	119	115
Total:	186	162	132	131	124	119	115

Note: Numbers may not add due to rounding

128: Ready-mix concrete(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	402	352	287	284	268	254	244
Total:	403	354	288	284	269	254	245

129: Concrete pipe, brick, and blocks(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	169	150	124	123	117	111	108
Total:	171	151	125	124	118	113	109

130: Other concrete products(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29	25	19	18	16	14	12
Indirect Purchases	348	307	252	249	237	226	218
Total:	377	332	272	267	253	240	231

Note: Numbers may not add due to rounding

131: Lime and gypsum products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	1	1	1	1	1	1
Indirect Purchases	237	202	162	161	154	149	145
Total:	239	203	163	162	154	149	146

132: Abrasive products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	28	20	14	14	13	13	13
Indirect Purchases	281	247	205	205	199	195	192
Total:	309	267	219	220	212	208	205

133: Cut stone and stone products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	0	0	0	0	0
Indirect Purchases	118	105	86	84	79	75	71
Total:	119	105	86	85	80	75	72

Note: Numbers may not add due to rounding

134: Other non-metallic mineral products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	6	4	4	2	2	2
Indirect Purchases	211	184	154	155	148	145	141
Total:	217	190	158	158	151	147	143

135: Primary ferrous metal products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	50	37	27	25	20	19	18
Indirect Purchases	8,090	7,111	5,677	5,673	5,562	5,375	5,272
Total:	8,139	7,148	5,703	5,698	5,583	5,395	5,291

136: Primary aluminum production

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	6	5	5	4	4	4
Indirect Purchases	1,111	938	799	804	776	780	774
Total:	1,118	944	804	809	781	784	778

Note: Numbers may not add due to rounding

137: Aluminum product manufacturing from purchased aluminum

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	75	57	51	46	42	41	41
Indirect Purchases	2,019	1,704	1,435	1,451	1,403	1,405	1,391
Total:	2,094	1,760	1,486	1,497	1,445	1,446	1,432

138: Primary smelting and refining of copper

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	644	569	481	477	456	447	437
Total:	645	570	481	477	456	447	438

139: Primary smelting and refining of nonferrous metal (except copper and aluminum)

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	741	652	556	555	538	532	524
Total:	743	653	557	557	539	533	525

Note: Numbers may not add due to rounding

140: Copper rolling, drawing, extruding and alloying

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	7	6	6	5	5	5
Indirect Purchases	1,449	1,253	1,074	1,065	1,016	1,003	988
Total:	1,457	1,261	1,080	1,071	1,021	1,008	992

141: Nonferrous metal (except copper and aluminum) rolling, drawing, extruding and alloying

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	13	11	8	7	6	6	6
Indirect Purchases	941	808	689	703	689	696	690
Total:	954	819	697	710	695	702	695

142: Ferrous metal foundries

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	3	3	2	2	2
Indirect Purchases	891	765	615	612	592	576	564
Total:	895	768	618	614	594	578	566

Note: Numbers may not add due to rounding

143: Nonferrous metal foundries

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	6	5	5	4	4	4
Indirect Purchases	556	488	413	418	403	399	393
Total:	564	494	418	422	407	403	396

144: Forging and stamping

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	37	30	26	25	22	22	21
Indirect Purchases	2,243	2,055	1,662	1,675	1,674	1,619	1,594
Total:	2,279	2,085	1,688	1,699	1,696	1,641	1,615

145: Cutlery, utensils, pots, and pans

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15	11	8	7	5	5	4
Indirect Purchases	130	112	102	108	105	109	108
Total:	145	124	110	115	110	114	112

Note: Numbers may not add due to rounding

146: Handtools

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	286	197	127	120	104	100	96
Indirect Purchases	167	144	118	118	114	112	110
Total:	452	341	245	238	218	212	207

147: Plate work and fabricated structural products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	250	213	159	159	142	132	124
Indirect Purchases	2,490	2,259	1,848	1,838	1,787	1,723	1,688
Total:	2,740	2,472	2,008	1,997	1,929	1,854	1,812

148: Ornamental and architectural metal products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	27	23	18	18	17	17	17
Indirect Purchases	2,095	1,619	1,324	1,303	1,233	1,222	1,220
Total:	2,122	1,642	1,342	1,321	1,250	1,239	1,237

Note: Numbers may not add due to rounding

149: Power boilers and heat exchangers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	243	200	180	212	228	254	267
Indirect Purchases	107	93	76	76	73	71	69
Total:	349	293	257	288	301	325	336

150: Metal tanks (heavy gauge)

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	175	123	83	78	66	64	62
Indirect Purchases	62	55	44	43	41	39	37
Total:	237	179	127	121	108	103	98

151: Metal cans, boxes, and other metal containers (light gauge)

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	147	124	98	94	81	80	79
Indirect Purchases	373	323	267	266	256	251	247
Total:	520	447	365	360	337	331	326

Note: Numbers may not add due to rounding

152: Ammunition

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,722	3,473	3,183	3,141	2,854	2,863	2,853
Indirect Purchases	21	20	19	18	17	17	17
Total:	3,743	3,493	3,202	3,159	2,871	2,880	2,871

153: Arms, ordnance, and accessories

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,169	1,003	945	897	851	837	802
Indirect Purchases	12	10	9	9	9	9	8
Total:	1,180	1,013	955	906	859	846	811

154: Hardware manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	305	273	224	215	197	194	192
Indirect Purchases	743	653	559	567	545	537	530
Total:	1,048	927	783	782	741	731	722

Note: Numbers may not add due to rounding

155: Springs and wire products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	40	34	23	20	17	17	16
Indirect Purchases	186	159	133	132	127	125	124
Total:	226	194	156	151	144	142	140

156: Machine shops

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	79	70	59	59	54	47	46
Indirect Purchases	1,938	1,689	1,420	1,417	1,377	1,363	1,348
Total:	2,018	1,759	1,479	1,476	1,431	1,410	1,394

157: Turned products and screws, nuts, and bolts

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	59	50	37	30	17	15	15
Indirect Purchases	1,542	1,302	1,097	1,109	1,077	1,076	1,067
Total:	1,601	1,352	1,134	1,139	1,094	1,091	1,082

Note: Numbers may not add due to rounding

158: Coating, engraving, heat treating and allied activities

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	26	20	15	14	13	13	12
Indirect Purchases	1,424	1,245	1,055	1,048	1,019	1,016	1,010
Total:	1,451	1,266	1,070	1,063	1,033	1,028	1,022

159: Metal valves

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	122	106	83	83	72	69	68
Indirect Purchases	1,990	1,860	1,514	1,533	1,546	1,503	1,483
Total:	2,111	1,965	1,597	1,616	1,619	1,572	1,551

160: Ball and roller bearings

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	40	32	26	22	15	14	13
Indirect Purchases	384	330	273	273	263	257	254
Total:	424	362	299	295	278	271	267

Note: Numbers may not add due to rounding

161: Fabricated pipe and pipe fittings

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14	11	8	6	2	2	2
Indirect Purchases	224	196	161	161	152	146	143
Total:	238	206	168	166	154	148	145

162: Other fabricated metal products

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	248	191	147	143	129	124	121
Indirect Purchases	752	650	544	540	521	514	507
Total:	999	840	691	683	650	639	628

163: Farm machinery and equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	8	6	6	5	5	5
Indirect Purchases	33	30	26	25	25	24	24
Total:	42	38	32	31	30	29	29

Note: Numbers may not add due to rounding

164: Lawn and garden equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	2	2	2	2	2
Indirect Purchases	9	8	7	7	7	7	7
Total:	14	12	9	9	9	9	8

165: Construction machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	308	258	182	172	145	126	112
Indirect Purchases	137	140	101	103	110	100	97
Total:	445	398	283	275	255	226	209

166: Mining and oil and gas field machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	13	8	7	6	6	5
Indirect Purchases	56	49	41	40	39	38	38
Total:	74	62	48	48	45	44	43

Note: Numbers may not add due to rounding

167: Other industrial machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	181	143	105	102	93	90	88
Indirect Purchases	141	124	106	104	102	100	99
Total:	322	267	210	207	194	190	187

168: Plastics and rubber industry machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	6	5	5	4	4	4
Indirect Purchases	16	14	12	12	11	11	11
Total:	24	21	16	16	15	15	15

169: Semiconductor machinery manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16	13	10	11	10	10	10
Indirect Purchases	47	42	36	36	35	35	34
Total:	63	55	47	47	45	45	44

Note: Numbers may not add due to rounding

170: Vending, commercial, industrial, and office machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	303	295	279	298	298	295	292
Indirect Purchases	69	62	54	55	54	54	53
Total:	372	358	333	353	352	349	346

171: Optical instruments and lenses

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,268	973	790	770	717	707	689
Indirect Purchases	57	47	39	38	36	36	35
Total:	1,325	1,020	829	808	754	743	724

172: Photographic and photocopying equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	77	68	53	54	52	51	51
Indirect Purchases	6	6	5	5	5	5	5
Total:	83	73	57	59	57	56	56

Note: Numbers may not add due to rounding

173: Other commercial and service industry machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,666	1,386	1,054	1,065	987	970	950
Indirect Purchases	69	61	53	55	53	53	51
Total:	1,735	1,447	1,107	1,120	1,040	1,023	1,002

174: Air purification and ventilation equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	53	42	32	31	27	26	26
Indirect Purchases	145	126	104	104	99	96	94
Total:	199	169	136	134	126	123	120

175: Heating equipment (except warm air furnaces)

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9	7	5	4	3	2	2
Indirect Purchases	132	114	94	93	89	85	82
Total:	141	122	99	97	92	88	85

Note: Numbers may not add due to rounding

176: Air conditioning, refrigeration, and warm air heating equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	216	170	123	121	109	106	105
Indirect Purchases	665	555	447	441	418	405	394
Total:	880	726	570	561	527	512	499

177: Industrial molds

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	2	2	2	2	2
Indirect Purchases	193	173	161	171	168	174	172
Total:	197	176	163	174	170	176	174

178: Metal cutting and forming machine tools

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	135	107	83	81	74	72	72
Indirect Purchases	77	67	56	56	53	53	52
Total:	212	174	139	137	128	125	124

Note: Numbers may not add due to rounding

179: Special tools, dies, jigs, and fixtures

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	7	6	6	5	5	5
Indirect Purchases	245	220	204	219	215	223	220
Total:	255	227	210	225	220	229	225

180: Cutting tool and machine tool accessories

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15	11	8	8	7	7	6
Indirect Purchases	467	418	361	370	362	362	356
Total:	482	429	368	378	369	369	363

181: Rolling mill and other metalworking machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	27	25	21	22	21	22	23
Indirect Purchases	8	7	6	6	6	6	6
Total:	36	33	27	28	27	28	29

Note: Numbers may not add due to rounding

182: Turbine and turbine generator set units

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	170	143	103	101	97	103	108
Indirect Purchases	511	549	382	393	435	395	383
Total:	681	692	485	494	533	498	491

183: Speed changers and mechanical power transmission equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	209	219	171	177	177	176	180
Indirect Purchases	894	836	596	599	643	605	593
Total:	1,103	1,055	767	776	820	781	773

184: Other engine equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	118	92	66	64	57	56	56
Indirect Purchases	2,353	2,280	1,561	1,574	1,730	1,602	1,559
Total:	2,471	2,372	1,628	1,638	1,786	1,658	1,615

Note: Numbers may not add due to rounding

185: Pump and pumping equipment(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	164	140	110	105	91	86	83
Indirect Purchases	67	58	47	47	45	44	44
Total:	231	199	157	152	136	131	127

186: Air and gas compressors(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	36	30	23	24	23	22	22
Indirect Purchases	20	17	14	14	14	13	13
Total:	56	47	37	38	36	35	35

187: Material handling equipment(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	374	279	233	304	311	282	281
Indirect Purchases	298	263	216	214	205	196	189
Total:	672	543	448	518	517	478	470

Note: Numbers may not add due to rounding

188: Power-driven handtool manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9	7	5	5	5	5	5
Indirect Purchases	5	4	4	4	3	3	3
Total:	14	11	9	9	8	8	8

189: Other general purpose machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	517	426	338	337	319	318	316
Indirect Purchases	269	236	191	189	181	173	168
Total:	786	662	529	526	501	491	484

190: Packaging machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	3	2	2	2	2	2
Indirect Purchases	4	4	3	3	3	3	3
Total:	8	6	5	5	5	5	5

Note: Numbers may not add due to rounding

191: Industrial process furnaces and ovens

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14	10	8	8	7	7	7
Indirect Purchases	8	7	6	6	6	5	5
Total:	22	18	14	14	13	13	12

192: Fluid power process machinery

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15	12	9	9	8	7	7
Indirect Purchases	754	700	552	562	572	550	541
Total:	769	712	561	571	580	558	549

193: Computers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,165	1,660	1,384	1,366	1,307	1,329	1,336
Indirect Purchases	242	195	162	160	154	153	151
Total:	2,408	1,855	1,546	1,526	1,462	1,483	1,487

Note: Numbers may not add due to rounding

194: Computer storage devices

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	395	317	256	255	241	242	243
Indirect Purchases	436	362	303	302	290	287	283
Total:	831	679	559	557	531	529	526

195: Computer terminals and other computer peripherals

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	669	572	466	479	469	451	436
Indirect Purchases	473	410	350	349	341	338	334
Total:	1,143	982	816	828	810	789	770

196: Telephone apparatus

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	686	526	460	461	448	462	468
Indirect Purchases	169	143	121	121	117	116	115
Total:	855	670	581	582	565	578	583

Note: Numbers may not add due to rounding

197: Broadcast and wireless communications equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6,805	5,927	5,382	5,361	5,325	5,317	5,275
Indirect Purchases	2,368	2,093	1,936	1,979	1,964	2,007	1,999
Total:	9,172	8,020	7,318	7,340	7,289	7,324	7,274

198: Other communications equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,016	1,708	1,532	1,532	1,502	1,504	1,501
Indirect Purchases	117	101	84	84	81	79	77
Total:	2,133	1,810	1,616	1,616	1,583	1,582	1,578

199: Audio and video equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	168	156	143	147	146	147	147
Indirect Purchases	100	83	72	72	70	71	71
Total:	268	239	215	219	216	217	218

Note: Numbers may not add due to rounding

200: Semiconductors and electron tubes

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	93	83	72	70	66	65	64
Indirect Purchases	3,676	3,233	2,854	2,859	2,818	2,819	2,798
Total:	3,769	3,316	2,926	2,929	2,885	2,883	2,862

201: All other electronic components

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,785	2,621	2,460	2,429	2,415	2,348	2,283
Indirect Purchases	3,606	3,167	2,794	2,796	2,754	2,749	2,723
Total:	6,391	5,788	5,254	5,225	5,169	5,097	5,006

202: Electromedical and electrotherapeutic apparatus

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	79	65	50	47	39	37	37
Indirect Purchases	97	87	77	78	77	77	77
Total:	176	152	128	125	115	115	114

Note: Numbers may not add due to rounding

203: Search, detection, and navigation instruments

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14,907	13,047	11,953	12,036	12,030	12,311	12,262
Indirect Purchases	743	689	580	582	577	558	552
Total:	15,650	13,736	12,533	12,618	12,607	12,870	12,813

204: Automatic environmental controls

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	35	30	25	25	24	23	23
Indirect Purchases	63	55	46	45	43	42	41
Total:	99	85	70	70	67	65	63

205: Industrial process variable instruments

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	140	115	99	101	98	99	99
Indirect Purchases	152	133	116	116	113	114	112
Total:	292	248	215	217	212	213	212

Note: Numbers may not add due to rounding

206: Totalizing fluid meters and counting devices

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16	13	10	9	6	6	6
Indirect Purchases	74	60	49	48	47	47	46
Total:	90	73	59	57	53	53	52

207: Electricity and signal testing instruments

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	407	354	317	323	317	319	318
Indirect Purchases	149	130	117	118	116	118	117
Total:	557	484	434	441	434	437	435

208: Analytical laboratory instruments

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	320	253	189	183	165	160	156
Indirect Purchases	192	171	151	150	146	145	144
Total:	511	424	339	333	312	304	300

Note: Numbers may not add due to rounding

209: Irradiation apparatus manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	266	179	127	119	110	109	105
Indirect Purchases	25	24	21	21	20	20	20
Total:	291	203	147	140	130	129	125

210: Watch, clock, and other measuring and controlling devices

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	401	344	280	286	268	262	259
Indirect Purchases	325	290	252	252	245	240	238
Total:	727	634	532	538	513	503	497

211: Software, audio, and video media reproducing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	59	55	49	48	47	46	46
Indirect Purchases	119	104	88	88	85	84	83
Total:	178	159	137	135	133	131	128

Note: Numbers may not add due to rounding

212: Magnetic and optical recording media

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15	14	12	11	11	11	11
Indirect Purchases	105	92	78	78	76	76	75
Total:	120	106	90	90	87	87	86

213: Electric lamp bulbs and parts

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	9	8	7	7	6	6
Indirect Purchases	29	24	20	20	19	19	18
Total:	39	33	28	27	26	25	25

214: Lighting fixtures

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	34	31	26	25	21	20	19
Indirect Purchases	486	428	351	346	327	310	297
Total:	521	459	376	371	348	330	316

Note: Numbers may not add due to rounding

215: Small electrical appliances

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	1	1	1	1	1	1
Indirect Purchases	37	32	26	25	24	23	22
Total:	38	33	27	26	25	24	23

216: Household cooking appliances

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	5	4	4	3	3	3
Indirect Purchases	12	10	8	8	8	8	8
Total:	19	16	12	12	11	11	11

217: Household refrigerators and home freezers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	7	6	6	5	5	5
Indirect Purchases	4	3	2	2	2	2	2
Total:	11	10	8	8	8	7	7

Note: Numbers may not add due to rounding

218: Household laundry equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6	6	5	4	4	4	4
Indirect Purchases	3	2	2	2	2	2	2
Total:	8	8	6	6	6	6	6

219: Other major household appliances

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	19	15	14	13	13	13
Indirect Purchases	19	15	12	12	11	11	10
Total:	36	34	27	25	24	24	23

220: Power, distribution, and specialty transformers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	99	87	69	66	56	51	47
Indirect Purchases	220	170	146	142	131	132	133
Total:	319	257	215	208	187	183	180

Note: Numbers may not add due to rounding

221: Motors and generators

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	158	153	120	115	99	84	75
Indirect Purchases	616	557	444	445	440	425	416
Total:	775	709	564	559	539	510	491

222: Switchgear and switchboard apparatus

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	63	53	42	41	37	35	34
Indirect Purchases	268	228	185	184	176	171	167
Total:	332	281	227	225	213	206	201

223: Relays and industrial controls

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	24	20	15	15	13	13	13
Indirect Purchases	572	517	431	434	432	424	417
Total:	596	537	447	449	445	437	430

Note: Numbers may not add due to rounding

224: Storage batteries

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	37	32	25	21	13	12	11
Indirect Purchases	107	92	77	76	74	73	72
Total:	144	124	102	97	88	84	82

225: Primary battery manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29	24	19	18	16	15	14
Indirect Purchases	11	10	8	8	8	8	8
Total:	40	34	28	27	25	23	22

226: Communication and energy wires and cables

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	96	91	86	88	87	87	87
Indirect Purchases	1,273	1,108	942	939	908	892	879
Total:	1,368	1,199	1,029	1,028	995	979	966

Note: Numbers may not add due to rounding

227: Wiring devices

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	38	30	24	22	18	18	18
Indirect Purchases	457	396	335	334	321	314	308
Total:	494	426	359	356	339	333	326

228: Carbon and graphite and miscellaneous electrical equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	465	387	333	331	319	322	321
Indirect Purchases	290	254	218	218	208	202	200
Total:	755	641	551	549	527	524	521

229: Automobiles

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	545	281	189	179	177	218	236
Indirect Purchases	5	4	4	4	4	4	4
Total:	550	285	193	183	180	222	240

Note: Numbers may not add due to rounding

230: Heavy duty trucks

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,351	1,190	729	590	575	677	706
Indirect Purchases	69	41	28	25	23	25	26
Total:	2,420	1,231	757	615	599	703	732

231: Motor vehicle bodies

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	181	107	79	69	58	67	71
Indirect Purchases	25	14	9	8	8	9	9
Total:	206	121	88	77	66	76	80

232: Truck trailer manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,186	554	349	329	316	374	384
Indirect Purchases	5	3	2	2	2	2	2
Total:	1,191	557	351	331	317	376	386

Note: Numbers may not add due to rounding

233: Motor homes, trailers and campers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	173	101	65	62	57	60	59
Indirect Purchases	100	64	47	46	44	46	46
Total:	273	165	112	108	101	106	105

234: Motor vehicle parts

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	405	257	184	167	140	148	150
Indirect Purchases	3,951	3,116	2,490	2,426	2,368	2,393	2,376
Total:	4,355	3,374	2,674	2,593	2,508	2,541	2,526

235: Aircraft

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	29,257	26,388	23,711	24,760	24,169	24,416	24,078
Indirect Purchases	182	165	141	141	137	134	133
Total:	29,439	26,553	23,852	24,901	24,305	24,550	24,211

Note: Numbers may not add due to rounding

236: Aircraft engines and engine parts

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,360	4,868	4,318	4,493	4,255	4,177	4,081
Indirect Purchases	4,371	3,913	3,405	3,471	3,328	3,250	3,218
Total:	9,731	8,781	7,723	7,964	7,583	7,427	7,299

237: Other aircraft parts and auxiliary equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	9,181	8,034	6,980	7,076	6,402	6,027	5,974
Indirect Purchases	3,199	2,882	2,492	2,495	2,404	2,338	2,313
Total:	12,380	10,916	9,472	9,571	8,806	8,365	8,287

238: Guided missiles and space vehicles

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	12,235	11,261	11,258	11,187	11,333	12,102	12,451
Indirect Purchases	325	298	290	287	290	304	310
Total:	12,560	11,559	11,547	11,474	11,623	12,406	12,761

Note: Numbers may not add due to rounding

239: Propulsion units and parts for space vehicles and guided missiles

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,832	1,712	1,553	1,536	1,576	1,658	1,683
Indirect Purchases	1,715	1,567	1,528	1,517	1,530	1,622	1,665
Total:	3,546	3,279	3,081	3,054	3,106	3,279	3,347

240: Railroad rolling stock

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	6	4	4	4	4	4
Indirect Purchases	66	58	47	47	45	44	44
Total:	72	64	52	51	49	48	47

241: Ship building and repairing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	19,692	22,769	14,980	15,627	18,026	15,956	15,411
Indirect Purchases	238	229	185	184	188	183	179
Total:	19,930	22,998	15,165	15,811	18,214	16,139	15,590

Note: Numbers may not add due to rounding

242: Boat building

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,958	2,580	2,306	2,319	2,345	2,513	2,520
Indirect Purchases	57	59	45	45	49	47	46
Total:	3,016	2,640	2,351	2,365	2,394	2,560	2,566

243: Motorcycles, bicycles, and parts

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14	10	7	7	6	6	6
Indirect Purchases	10	9	7	7	7	7	7
Total:	24	19	14	14	13	13	13

244: Military armored vehicles, tanks, and tank components

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,835	2,352	1,791	1,656	1,434	1,704	1,934
Indirect Purchases	197	95	68	64	55	62	72
Total:	5,032	2,447	1,859	1,720	1,488	1,767	2,006

Note: Numbers may not add due to rounding

245: All other transportation equipment

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	133	82	61	60	58	62	63
Indirect Purchases	19	14	11	11	11	11	11
Total:	152	96	72	71	69	73	74

246: Wood kitchen cabinet and countertops

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	182	159	129	128	122	116	112
Total:	182	159	129	128	122	116	112

247: Household and institutional furniture

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	230	239	190	172	162	158	154
Indirect Purchases	87	77	68	68	66	66	65
Total:	317	316	258	240	228	223	219

Note: Numbers may not add due to rounding

248: Office furniture (including fixtures)

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	333	312	248	238	216	194	179
Indirect Purchases	122	110	91	89	84	79	76
Total:	455	422	339	327	300	273	255

249: Mattresses, blinds and shades

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	12	9	8	7	7	7
Indirect Purchases	13	14	10	10	11	10	10
Total:	25	26	19	18	18	17	17

250: Laboratory apparatus and furniture

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	34	27	20	20	18	17	17
Indirect Purchases	2	2	2	2	1	1	1
Total:	36	29	22	22	19	19	18

Note: Numbers may not add due to rounding

251: Surgical and medical instruments

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	279	238	185	181	160	157	156
Indirect Purchases	164	149	125	125	119	117	115
Total:	443	388	310	306	279	274	271

252: Surgical appliances and supplies

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	581	455	320	277	194	183	176
Indirect Purchases	301	273	229	229	222	218	213
Total:	881	728	550	506	416	400	389

253: Dental equipment and supplies

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	44	36	27	27	26	25	25
Indirect Purchases	105	99	86	87	86	85	83
Total:	149	135	113	115	111	110	108

Note: Numbers may not add due to rounding

254: Ophthalmic goods

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	221	193	154	152	145	142	139
Indirect Purchases	9	9	7	7	7	6	6
Total:	230	202	160	158	151	148	145

255: Dental laboratories

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	1	1	1	1	1
Indirect Purchases	166	158	137	139	136	134	132
Total:	168	159	138	140	137	136	133

256: Jewelry and silverware

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	3	2	2	2	2
Indirect Purchases	18	15	13	13	12	12	12
Total:	21	19	15	15	14	14	14

Note: Numbers may not add due to rounding

257: Sporting and athletic goods

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	478	461	386	355	310	306	303
Indirect Purchases	34	32	27	25	23	22	22
Total:	512	493	413	380	333	329	325

258: Dolls, toys, and games

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8	7	5	6	5	5	5
Indirect Purchases	2	2	1	1	1	1	1
Total:	10	8	7	7	7	7	7

259: Office supplies (except paper)

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	739	554	462	492	480	472	476
Indirect Purchases	101	86	73	73	72	71	70
Total:	841	640	535	565	552	543	546

Note: Numbers may not add due to rounding

260: Sign manufacturing(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	14	11	11	11	11	10
Indirect Purchases	15	13	11	11	11	10	10
Total:	33	28	22	22	21	21	20

261: Gasket, packing, and sealing devices(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	25	18	13	11	8	8	8
Indirect Purchases	263	231	198	197	193	193	191
Total:	288	249	211	208	201	201	200

262: Musical instruments(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	11	9	7	7	6	6	6
Indirect Purchases	6	5	4	4	4	4	4
Total:	17	14	11	11	10	10	10

Note: Numbers may not add due to rounding

263: All other miscellaneous manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,738	1,529	1,245	1,229	1,156	1,137	1,112
Indirect Purchases	215	198	167	165	159	158	155
Total:	1,953	1,727	1,412	1,393	1,316	1,294	1,267

264: Broom, brush, and mop manufacturing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2	2	1	2	1	1	1
Indirect Purchases	31	27	22	22	22	21	21
Total:	33	29	24	24	23	23	22

265: Wholesale trade

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,036	972	834	834	804	795	782
Indirect Purchases	18,463	16,351	13,734	13,686	13,367	13,176	12,991
Total:	19,499	17,323	14,568	14,520	14,171	13,972	13,772

Note: Numbers may not add due to rounding

266: Retail trade

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,122	2,053	1,801	1,819	1,776	1,759	1,726
Indirect Purchases	1,791	1,545	1,263	1,254	1,204	1,184	1,162
Total:	3,913	3,598	3,065	3,073	2,980	2,944	2,888

267: Air transportation

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16,598	15,290	13,079	12,982	12,668	12,559	12,414
Indirect Purchases	2,300	2,051	1,775	1,806	1,771	1,773	1,749
Total:	18,899	17,341	14,855	14,788	14,439	14,332	14,163

268: Rail transportation

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,084	1,854	1,509	1,460	1,410	1,399	1,385
Indirect Purchases	1,675	1,469	1,215	1,203	1,164	1,142	1,124
Total:	3,759	3,323	2,724	2,663	2,574	2,541	2,508

Note: Numbers may not add due to rounding

269: Water transportation

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	8,213	7,499	6,203	6,103	5,916	5,885	5,831
Indirect Purchases	425	394	351	347	345	337	328
Total:	8,637	7,892	6,554	6,450	6,261	6,222	6,159

270: Truck transportation

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16,410	14,584	11,842	11,450	11,049	10,964	10,846
Indirect Purchases	5,600	4,968	4,133	4,093	3,960	3,885	3,826
Total:	22,010	19,552	15,974	15,543	15,009	14,849	14,672

271: Transit and ground passenger transportation

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	533	472	394	389	377	373	369
Indirect Purchases	762	678	570	568	555	545	538
Total:	1,296	1,150	964	957	932	918	907

Note: Numbers may not add due to rounding

272: Pipeline transportation

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	737	647	537	527	506	499	493
Total:	737	647	537	527	506	499	493

273: Scenic and sightseeing transportation and support activities for transportation

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,448	3,857	3,326	3,420	3,280	3,252	3,228
Indirect Purchases	4,633	4,191	3,532	3,496	3,400	3,367	3,325
Total:	9,080	8,048	6,858	6,916	6,680	6,620	6,553

274: Couriers and messengers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	140	133	115	117	114	113	111
Indirect Purchases	3,501	3,115	2,593	2,562	2,483	2,455	2,425
Total:	3,641	3,247	2,708	2,679	2,598	2,568	2,536

Note: Numbers may not add due to rounding

275: Warehousing and storage

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,394	3,889	3,150	3,042	2,924	2,899	2,868
Indirect Purchases	1,986	1,776	1,484	1,471	1,436	1,418	1,402
Total:	6,380	5,665	4,634	4,513	4,360	4,317	4,270

276: Newspaper publishers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	6	6	5	5	5	5	4
Indirect Purchases	16	14	12	12	12	12	11
Total:	23	20	17	17	17	16	16

277: Periodical publishers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	36	29	23	23	22	22	22
Indirect Purchases	144	130	112	111	110	107	105
Total:	179	159	135	135	132	129	127

Note: Numbers may not add due to rounding

278: Book publishers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	102	86	71	73	70	70	69
Indirect Purchases	122	109	93	93	91	89	88
Total:	224	195	164	166	161	159	157

279: Directory, mailing list, and other publishers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	70	57	46	46	44	44	43
Indirect Purchases	234	205	172	171	166	163	160
Total:	304	263	218	217	210	207	204

280: Software publishers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,748	3,100	2,494	2,515	2,402	2,443	2,514
Indirect Purchases	2,837	2,466	2,153	2,159	2,144	2,150	2,138
Total:	6,585	5,566	4,647	4,674	4,546	4,593	4,652

Note: Numbers may not add due to rounding

281: Motion picture and video industries

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	88	78	63	64	62	61	60
Indirect Purchases	1,498	1,283	1,073	1,074	1,041	1,028	1,016
Total:	1,586	1,361	1,137	1,138	1,102	1,089	1,076

282: Sound recording industries

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	4	4	4	3	3	3
Indirect Purchases	93	81	68	69	67	66	65
Total:	98	86	72	72	70	69	69

283: Radio and television broadcasting

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	47	44	38	38	38	37	36
Indirect Purchases	376	328	276	276	268	265	262
Total:	423	372	314	314	305	303	298

Note: Numbers may not add due to rounding

284: Cable and internet

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	14	12	12	12	12	12
Indirect Purchases	1,001	860	721	721	699	690	681
Total:	1,019	875	734	733	711	702	693

285: Telecommunications

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	15,056	12,301	10,218	10,243	9,880	9,762	9,680
Indirect Purchases	9,657	8,373	7,038	7,026	6,831	6,741	6,656
Total:	24,713	20,675	17,256	17,269	16,712	16,503	16,336

286: Data processing, hosting and internet service providers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	365	301	235	237	224	220	216
Indirect Purchases	3,262	2,925	2,462	2,455	2,417	2,371	2,337
Total:	3,627	3,226	2,697	2,692	2,641	2,591	2,553

Note: Numbers may not add due to rounding

287: Other information services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	249	209	173	177	169	170	171
Indirect Purchases	362	324	279	278	273	268	263
Total:	611	533	452	455	442	439	434

288: Monetary authorities and depository credit intermediation

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	9,491	8,487	7,193	7,183	7,025	6,918	6,815
Total:	9,491	8,487	7,193	7,183	7,025	6,918	6,815

289: Nondepository credit intermediation and related activities

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	16	14	12	12	11	11	11
Indirect Purchases	2,962	2,651	2,218	2,202	2,153	2,117	2,089
Total:	2,978	2,666	2,230	2,214	2,165	2,129	2,100

Note: Numbers may not add due to rounding

290: Securities, commodity contracts, investments, and related activities

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	216	216	184	175	165	164	163
Indirect Purchases	8,154	7,387	6,169	6,146	6,055	5,936	5,854
Total:	8,370	7,603	6,354	6,321	6,220	6,100	6,016

291: Insurance carriers

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,990	3,225	2,846	2,756	2,756	2,763	2,745
Indirect Purchases	6,665	5,984	5,065	5,022	4,889	4,826	4,764
Total:	9,655	9,209	7,912	7,778	7,645	7,589	7,509

292: Insurance agencies, brokerages, and related activities

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	21	17	12	12	11	10	10
Indirect Purchases	3,094	2,926	2,503	2,457	2,409	2,383	2,350
Total:	3,115	2,943	2,515	2,469	2,420	2,393	2,360

Note: Numbers may not add due to rounding

293: Funds, trusts, and other financial vehicles

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		425	395	337	332	326	321	316
Total:		425	395	337	332	326	321	316

294: Real estate

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		5,771	4,980	4,057	3,893	3,728	3,682	3,638
Indirect Purchases		17,107	15,254	12,931	12,862	12,542	12,365	12,184
Total:		22,878	20,233	16,987	16,754	16,270	16,046	15,821

296: Automotive equipment rental and leasing

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		2,219	1,985	1,669	1,636	1,589	1,576	1,565
Indirect Purchases		2,881	2,565	2,165	2,158	2,107	2,073	2,045
Total:		5,100	4,550	3,834	3,794	3,696	3,649	3,610

Note: Numbers may not add due to rounding

297: General and consumer goods rental except video tapes and discs

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	45	33	22	21	19	18	18
Indirect Purchases	433	383	322	321	312	308	304
Total:	478	416	344	342	331	326	321

298: Video tape and disc rental

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	0	0	0	0	0	0	0
Total:	0	0	0	0	0	0	0

299: Commercial and industrial machinery and equipment rental and leasing

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	386	341	276	282	269	268	267
Indirect Purchases	2,850	2,541	2,134	2,126	2,062	2,029	1,996
Total:	3,236	2,882	2,410	2,409	2,331	2,297	2,263

Note: Numbers may not add due to rounding

300: Lessors of nonfinancial intangible assets

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	5,485	5,006	4,179	4,168	4,137	4,063	4,021
Total:	5,486	5,006	4,179	4,168	4,137	4,063	4,021

301: Legal services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	40	33	24	24	22	22	21
Indirect Purchases	6,729	6,032	5,135	5,118	5,012	4,941	4,873
Total:	6,770	6,065	5,159	5,142	5,034	4,962	4,894

302: Accounting, tax preparation, bookkeeping, and payroll services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	322	288	238	242	232	230	227
Indirect Purchases	4,162	3,698	3,109	3,095	3,021	2,971	2,931
Total:	4,485	3,985	3,347	3,337	3,254	3,201	3,158

Note: Numbers may not add due to rounding

303: Architectural, engineering, and related services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	40,469	36,308	32,209	31,933	31,154	30,694	30,652
Indirect Purchases	8,408	7,493	6,317	6,279	6,112	5,953	5,841
Total:	48,876	43,801	38,525	38,212	37,265	36,647	36,493

304: Specialized design services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	67	53	41	40	37	36	35
Indirect Purchases	2,958	2,678	2,334	2,330	2,304	2,300	2,294
Total:	3,025	2,731	2,375	2,370	2,341	2,335	2,330

305: Custom computer programming services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,334	4,529	3,800	3,798	3,691	3,715	3,661
Indirect Purchases	612	545	480	480	468	467	463
Total:	5,946	5,074	4,280	4,278	4,159	4,182	4,124

Note: Numbers may not add due to rounding

306: Computer systems design services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,812	4,900	4,140	4,187	4,088	4,105	4,067
Indirect Purchases	943	843	716	714	702	692	682
Total:	6,756	5,743	4,856	4,901	4,790	4,797	4,750

307: Other computer related services, including facilities management

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,816	7,017	5,976	6,052	5,856	5,826	5,790
Indirect Purchases	3,354	2,986	2,545	2,534	2,482	2,444	2,411
Total:	11,170	10,004	8,522	8,586	8,338	8,270	8,201

308: Management, scientific, and technical consulting services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,646	6,127	4,633	4,576	4,268	4,166	4,070
Indirect Purchases	9,193	8,290	6,992	6,973	6,870	6,726	6,625
Total:	16,839	14,417	11,625	11,549	11,138	10,892	10,695

Note: Numbers may not add due to rounding

309: Environmental and other technical consulting services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,070	1,667	1,308	1,311	1,238	1,210	1,188
Indirect Purchases	1,518	1,366	1,156	1,152	1,133	1,110	1,095
Total:	3,589	3,033	2,464	2,463	2,372	2,320	2,283

310: Scientific research and development services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	42,684	40,042	36,306	35,789	35,783	34,815	33,715
Indirect Purchases	4,276	3,864	3,306	3,299	3,273	3,231	3,191
Total:	46,960	43,906	39,612	39,088	39,056	38,046	36,906

311: Advertising and related services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,145	882	628	624	570	555	544
Indirect Purchases	9,666	8,570	7,313	7,329	7,155	7,107	7,022
Total:	10,811	9,452	7,942	7,953	7,725	7,662	7,567

Note: Numbers may not add due to rounding

312: All other miscellaneous professional, scientific, and technical services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7,883	6,697	5,488	5,399	5,181	5,027	4,882
Indirect Purchases	4,617	4,163	3,553	3,537	3,484	3,415	3,364
Total:	12,500	10,861	9,042	8,936	8,665	8,443	8,246

313: Photographic services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14	11	8	8	8	8	8
Indirect Purchases	153	136	116	115	112	110	109
Total:	168	146	124	123	120	118	117

314: Veterinary services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	19	17	14	14	14	14	14
Indirect Purchases	23	21	19	19	19	18	18
Total:	42	38	33	33	32	32	32

Note: Numbers may not add due to rounding

315: Management of companies and enterprises

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	0	0	0	0	0	0	0
Indirect Purchases	27,609	24,511	20,964	20,883	20,409	20,229	20,054
Total:	27,609	24,511	20,964	20,883	20,409	20,229	20,054

316: Office administrative services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	532	414	311	313	291	286	282
Indirect Purchases	2,308	2,058	1,738	1,730	1,691	1,663	1,640
Total:	2,840	2,472	2,049	2,043	1,982	1,948	1,922

317: Facilities support services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,993	4,625	3,438	3,416	3,157	3,064	3,002
Indirect Purchases	538	485	418	416	410	408	405
Total:	6,531	5,109	3,855	3,832	3,567	3,472	3,407

Note: Numbers may not add due to rounding

318: Business support services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	267	207	158	155	144	141	141
Indirect Purchases	2,924	2,639	2,250	2,245	2,213	2,187	2,165
Total:	3,191	2,847	2,408	2,399	2,357	2,328	2,306

319: Investigation and security services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	909	729	566	572	541	532	527
Indirect Purchases	1,508	1,352	1,156	1,152	1,131	1,122	1,113
Total:	2,417	2,082	1,722	1,724	1,672	1,655	1,640

320: Services to buildings and dwellings

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,401	1,082	820	834	782	765	758
Indirect Purchases	4,122	3,702	3,161	3,138	3,076	3,021	2,967
Total:	5,523	4,784	3,980	3,972	3,859	3,786	3,725

Note: Numbers may not add due to rounding

321: Other support services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,550	1,309	1,066	1,077	1,033	1,016	1,000
Indirect Purchases	2,048	1,837	1,577	1,571	1,543	1,531	1,521
Total:	3,598	3,146	2,643	2,648	2,576	2,548	2,521

322: Employment services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	236	196	154	158	149	147	147
Indirect Purchases	8,785	7,825	6,647	6,610	6,458	6,381	6,311
Total:	9,020	8,021	6,801	6,767	6,607	6,529	6,458

323: Travel arrangement and reservation services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18	13	8	8	6	6	6
Indirect Purchases	1,060	961	814	808	792	780	768
Total:	1,078	974	822	816	799	786	774

Note: Numbers may not add due to rounding

324: Waste management and remediation services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,841	2,823	1,924	1,884	1,679	1,612	1,565
Indirect Purchases	2,134	1,843	1,494	1,481	1,429	1,399	1,375
Total:	5,974	4,666	3,418	3,365	3,108	3,011	2,940

325: Elementary and secondary schools

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	39	38	33	34	33	33	32
Indirect Purchases	4	4	4	4	4	4	4
Total:	43	42	37	38	37	37	37

326: Junior colleges, colleges, universities, and professional schools

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,153	2,778	2,271	2,254	2,184	2,089	2,006
Indirect Purchases	128	113	97	98	96	95	93
Total:	3,281	2,891	2,368	2,352	2,279	2,184	2,099

Note: Numbers may not add due to rounding

327: Other educational services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,829	2,292	1,805	1,802	1,702	1,674	1,652
Indirect Purchases	79	69	58	58	57	56	55
Total:	2,908	2,361	1,863	1,861	1,758	1,731	1,707

328: Offices of physicians, dentists, and other health practitioners

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	18,943	17,981	15,631	15,849	15,530	15,374	15,082
Indirect Purchases	17	17	18	18	20	21	19
Total:	18,960	17,998	15,648	15,867	15,550	15,394	15,101

329: Medical and diagnostic labs and outpatient and other ambulatory care services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1,484	1,354	1,135	1,156	1,119	1,109	1,095
Indirect Purchases	428	402	348	353	345	342	336
Total:	1,912	1,757	1,483	1,508	1,464	1,451	1,430

Note: Numbers may not add due to rounding

330: Home health care services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	26	25	22	23	22	22	22
Indirect Purchases	0	0	0	0	0	0	0
Total:	26	25	22	23	22	22	22

331: Hospitals

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	638	572	478	490	474	471	467
Indirect Purchases	2	2	2	2	2	2	2
Total:	641	574	480	492	476	473	469

332: Nursing and residential care facilities

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	46	45	39	40	39	39	38
Indirect Purchases	1	1	1	1	1	1	1
Total:	47	46	40	41	40	40	39

Note: Numbers may not add due to rounding

333: Social assistance, except child day care services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	330	277	213	210	197	187	179
Indirect Purchases	6	6	5	6	5	6	5
Total:	337	283	218	215	202	192	184

334: Child day care services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3	2	2	1	1	1	1
Indirect Purchases	7	6	5	5	5	5	5
Total:	10	8	7	7	6	6	6

335: Performing arts

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	23	19	14	15	14	13	13
Indirect Purchases	1,187	1,044	878	875	852	840	830
Total:	1,210	1,062	893	890	866	854	843

Note: Numbers may not add due to rounding

336: Museums, historical sites, zoos, and parks

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	10	8	6	6	5	5	5
Indirect Purchases	0	0	0	0	0	0	0
Total:	11	9	6	6	6	5	5

337: Spectator sports

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	7	5	4	4	3	3	3
Indirect Purchases	541	476	400	399	389	384	379
Total:	548	481	403	403	392	387	382

338: Amusements, gambling, & recreation activities

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	14	11	9	9	8	8	8
Indirect Purchases	289	258	217	217	212	209	206
Total:	304	269	226	225	220	216	214

Note: Numbers may not add due to rounding

339: Hotels and other accommodations

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	5,050	4,501	3,769	3,693	3,580	3,549	3,521
Indirect Purchases	2,660	2,372	2,018	2,027	1,986	1,963	1,938
Total:	7,710	6,873	5,786	5,720	5,567	5,512	5,459

340: Food services and drinking places

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	3,953	3,455	2,840	2,817	2,714	2,686	2,663
Indirect Purchases	6,493	5,805	4,928	4,907	4,798	4,724	4,663
Total:	10,447	9,260	7,768	7,724	7,511	7,410	7,326

341: Automotive repair, maintenance and car washes

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	245	176	124	118	107	104	100
Indirect Purchases	1,881	1,669	1,388	1,379	1,341	1,313	1,290
Total:	2,126	1,845	1,513	1,497	1,448	1,416	1,390

Note: Numbers may not add due to rounding

342: Electronic and precision equipment repair and maintenance

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4,001	3,647	3,071	3,207	3,082	3,119	3,145
Indirect Purchases	1,062	948	805	800	782	767	755
Total:	5,064	4,595	3,876	4,007	3,864	3,886	3,901

343: Commercial and industrial machinery and equipment repair and maintenance

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	992	880	755	753	734	719	704
Indirect Purchases	1,863	1,653	1,380	1,374	1,336	1,308	1,285
Total:	2,855	2,534	2,136	2,127	2,071	2,027	1,990

344: Personal and household goods repair and maintenance

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	28	25	20	21	20	20	20
Indirect Purchases	864	753	624	620	600	588	578
Total:	892	778	644	641	620	608	597

Note: Numbers may not add due to rounding

345: Personal care services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	1	1	1	1	1	1	1
Indirect Purchases	2	2	2	2	2	2	2
Total:	3	2	2	2	2	2	2

346: Death care services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	4	3	2	2	2	2	2
Indirect Purchases	1	1	0	1	1	1	1
Total:	5	4	3	3	2	2	2

347: Dry-cleaning and laundry services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	125	97	70	71	66	64	64
Indirect Purchases	349	320	262	263	261	254	250
Total:	475	417	333	334	327	318	313

Note: Numbers may not add due to rounding

348: Other personal services

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	37	35	29	30	29	29	29
Indirect Purchases	324	286	245	244	238	234	231
Total:	361	321	275	274	268	264	261

349: Religious, grantmaking, civic & professional organizations

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	39	31	23	23	21	21	20
Indirect Purchases	1,388	1,242	1,053	1,048	1,025	1,006	990
Total:	1,427	1,273	1,076	1,071	1,046	1,026	1,010

351: Postal service

(Millions of 2014 dollars)

	2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES							
Direct Purchases	2,309	1,882	1,588	1,581	1,525	1,509	1,504
Indirect Purchases	2,906	2,584	2,162	2,142	2,078	2,054	2,028
Total:	5,215	4,466	3,750	3,722	3,603	3,562	3,532

Note: Numbers may not add due to rounding

352: Other federal government enterprises

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		87	78	66	65	64	63	62
Total:		87	78	66	65	64	63	62

353: Other state and local government enterprises

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Indirect Purchases		538	476	400	397	387	380	374
Total:		539	476	400	397	387	380	374

354: General Federal defense government services

(Millions of 2014 dollars)

		2012	2013	2014	2015	2016	2017	2018
SUMMARY OF DEFENSE PURCHASES								
Direct Purchases		180,720	188,991	181,731	183,117	182,673	181,426	179,776
Indirect Purchases		145	168	198	192	222	234	216
Total:		180,865	189,159	181,929	183,310	182,895	181,660	179,992

Note: Numbers may not add due to rounding